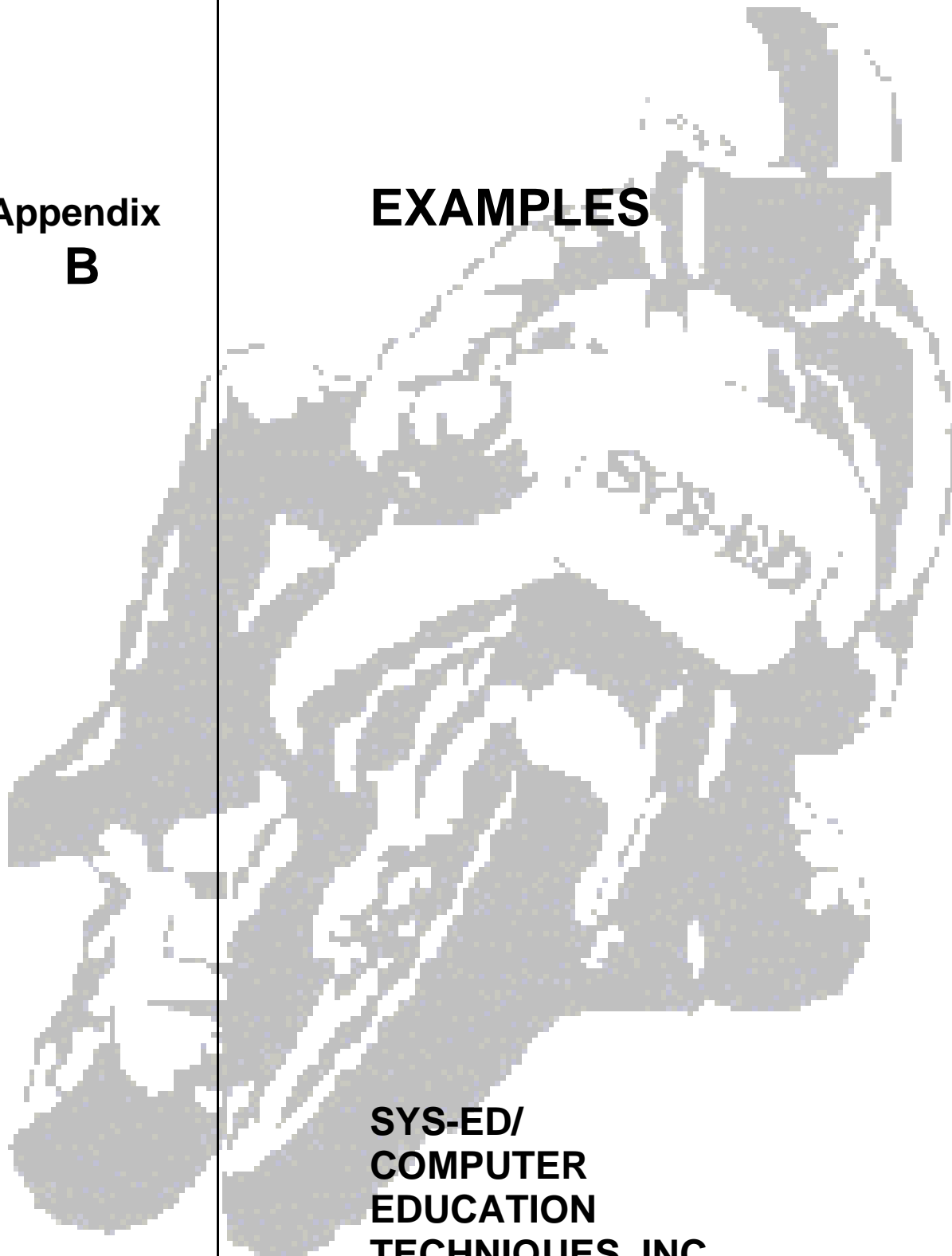


**Appendix  
B**

**EXAMPLES**



**SYS-ED/  
COMPUTER  
EDUCATION  
TECHNIQUES, INC.**

```
/******REXX*****/  
/* THE NAME GAME */  
  
SAY "WHAT IS YOUR NAME? "  
PULL NAME  
  
IF NAME = " THEN  
    SAY " IF YOU DONT REMEMBER YOUR NAME, CHECK YOUR WALLET"  
ELSE  
    SAY " HI " NAME  
  
EXIT
```

---

```
/******REXX*****/  
/* HEAVY MATH EXAMPLE */  
SAY "GIVE ME A NUMBER"  
PULL NUMBER1  
  
SAY "GIVE ME ANOTHER ONE "  
PULL NUMBER2  
  
/* ADD THE NUMBERS AND DISPLAY THE SUM */  
TOTAL = NUMBER1 + NUMBER2  
  
/* THERE IS A PROBLEM WITH THE FOLLOWING STATEMENT*/  
/* WHAT SHOULD IT BE?*/  
SAY THE TOTAL IS TOTAL  
  
EXIT
```

```
/******REXX*****/  
/*  MORE HEAVY MATH EXAMPLE  */  
  
NUMB1 = 10  
NUMB2 = 6  
NUMB3 = 2  
SAY "NUMB1/NUMB3=" NUMB1/NUMB3  
SAY "NUMB1/NUMB2=" NUMB2/NUMB1  
SAY "NUMB1//NUMB2=" NUMB1//NUMB2  
  
EXIT
```

---

```
/******REXX*****/  
/*                               */  
  
ARG UID NAME  
"SEND 'HAPPY BIRTHDAY TO YOU' U(" UID ")"  
"SEND 'HAPPY BIRTHDAY DEAR" NAME "" U("UID")"  
"SEND 'HAPPY BIRTHDAY TO YOU' U(" UID ")"
```

```
/******REXX*****/  
SAY "DO YOU WANT TO KNOW WHAT TIME IT IS?"  
PULL RESPONSE  
  
/* THE RESPONSE SHOULD BE A YES OR NO */  
IF RESPONSE = 'YES' THEN  
    DO  
        SAY "THE COMPUTER THINKS THE TIME IS " TIME()  
        SAY "ISN'T IT NICE TO USE A 20 MILLION DOLLAR",  
            "COMPUTER TO TELL THE TIME"  
    END  
ELSE  
    SAY "I GUESS YOU ARE WEARING A WATCH "  
  
EXIT
```

---

```
/******REXX*****/  
DO FOREVER  
    SAY "ENTER A DATA SET NAME"  
    PULL DSNAME  
    IF DSNAME = " THEN EXIT  
    "LISTC ENT(" DSNAME ") ALL"  
END
```

```
/******REXX*****//
```

```
/*      TSO COMMAND EXECUTION      */
```

```
CLRSCRN  
SAY 'WHAT IS YOUR MAJOR INTEREST'  
PULL INTER
```

```
SELECT;  
  WHEN INTER = 'ROWING' THEN SAY 'DO YOU LIKE FISHING'  
  WHEN INTER = 'COOK' THEN SAY 'WHAT TO EAT OUT'  
  WHEN INTER = 'SEW' THEN SAY 'SEW WHAT '  
  WHEN INTER = 'SHOWS' THEN SAY 'LETS GO DUTCH '  
  OTHERWISE SAY "YOU ARE BORING I'M GOING OUT WITH SOMEONE ELSE"  
END
```

---

```
/******REXX*****//
```

```
DO I = 1 TO 10  
  SAY 'I ' I  
  IF I = 5 THEN  
    DO  
      SAY 'YIPPEE'  
      SIGNAL LOOP  
    END  
  SAY 'HERE I AM'  
LOOP: SAY 'AT LOOP'  
END
```

/\*\*\*\*\*\*REXX\*\*\*\*\*\*/

```
FLD = 20  
FLD2= 50  
CALL SUB FLD,FLD2  
EXIT
```

SUB: PROCEDURE

```
    SAY ARG ()  
    SAY ARG (1)  
    SAY ARG (2)
```

RETURN

---

/\*\*\*\*\*\*REXX\*\*\*\*\*\*/

```
FLD = 20  
FLD2= 50  
CALL SUB FLD  
SAY 'FLD ' FLD  
SAY 'RESULT ' RESULT  
EXIT
```

SUB: PROCEDURE

```
    ARG PASS_FLD  
    PASS_FLD = PASS_FLD + 10  
    SAY 'PASS_FLD ' PASS_FLD  
    SAY 'FLD2 ' FLD2  
RETURN PASS_FLD
```

```
/******REXX*****//
```

```
CALL DISPLAY_HEADER
```

```
EXIT
```

```
DISPLAY_HEADER:
```

```
    SAY CENTER('BOB DATING SERVICE',79,'-')
```

```
    SAY
```

```
    SAY CENTER('NAME',15,'*') CENTER('PHONE',15,'*') CENTER('PREF',5,'*')
```

```
RETURN
```

---

```
/******REXX*****//
```

```
CLRSCRN
```

```
SAY CENTER('JCL GENTERATOR',79,'-')
```

```
SAY
```

```
DO FOREVER
```

```
    SAY 'ENTER USERID'
```

```
    PULL UID
```

```
    IF UID = " THEN EXIT
```

```
    IF LENGTH(UID) <=8 THEN LEAVE
```

```
    SAY 'USERID IS INVALID - MUST BE 8 CHARACTERS OR LESS'
```

```
END
```

```
DO FOREVER
```

```
    SAY 'CLASS
```

```
    PULL CLASS
```

```
    IF VERIFY(CLASS,'ABFGYZ') = 0 & LENGTH(CLASS) = 1 THEN LEAVE
```

```
    SAY 'CLASS IS INVALID - MUST BE A,B,F,G,Y OR Z
```

```
END
```

```
DO FOREVER
```

```
    SAY 'MSGCLASS
```

```
    PULL MSGCLASS
```

```
    IF VERIFY(MSGCLASS,'AXZ') = 0 & LENGTH(MSGCLASS) = 1 THEN LEAVE
```

```
    SAY 'MSGCLASS IS INVALID - MUST BE A,X OR Z
```

```
END
```

```
JOBCARD = '//||UID||'A JOB (ACCT),NAME,CLASS='||CLASS||',  
          'MSGCLASS='||MSGCLASS
```

```
SAY JOBCARD
```

```
/******REXX*****//
```

```
CLRSCRN  
SAY 'DO YOU WANT THE SYSTEM TO GO DOWN (YES/NO)'  
PULL RESP
```

```
SELECT  
  WHEN ABBREV('YES',RESP,2) = 1 THEN SAY 'OK ILL BRING IT DOWN'  
  WHEN ABBREV('NO',RESP,2) = 1 THEN SAY 'DO IT YOURSELF'  
  OTHERWISE SAY 'INVALID RESPONSE'  
END
```

---

```
/******REXX*****//
```

```
CLRSCRN  
SAY OUTTRAP("LIS.",'NOCONCAT')  
"LISTC ENT(REXX.EXEC)-ALL"
```

```
DO I=1 TO LIS.0  
  SAY LIS.I  
END
```

LIS.0 = Number of lines output by LISTC command.

LIS.1 = Where I from 1 to max contains output lines.

```
/******REXX*****/  
/* ALLOCATE A NEW FILE WITH ADDITIONAL SPACE */  
PARSE ARG BASEDS NEWDS  
IF SYSDSN(BASEDS) = 'OK' THEN  
    DO  
        X = LISTDSI(BASEDS)  
        IF X = 0  
            CALL ALC  
        ELSE  
            SAY SYMSGLVL1  
            SAY SYMSGLVL2  
        END  
    ELSE  
        SAY 'DATA SET NOT FOUND'  
EXIT  
ALC:  
NEWPRIMARY = SYSPRIMARY * 2  
"ALLOC DA('NEWDS') NEW SP('NEWPRIMARY SYSSECONDS')"  
IF RC = 0 THEN  
    SAY "DATA SET ALLOCATED"  
ELSE  
    SAY 'WE GOT PROBLEM RETURN CODE IS ' RC  
RETURN
```

```
/******REXX******/
```

```
CLRSCRN
```

```
JCL.1='//PTCO1A JOB (ACCT), NAME, CLASS=A'
```

```
JCL.2='//STEP1          EXEC PGM=IEFBR14'
```

```
JCL.3='//'
```

```
DO I = 1 TO 3
```

```
  SAY JCL.I
```

```
END
```

```
FREE "DD(OUTDD)"
```

```
"ALLOC DA(REXX.CNTL(JCL4)) DD(OUTDD) SHR"
```

```
EXECIO * DISKW OUTDD (FINIS STEM JCL.
```

```
IF RC = 0 THEN SAY 'HAVE WE GOT A PROBLEM'
```

```
ADDRESS ISPEXEC "BROWSE DATASET(REXX.CNTL(JCL4))"
```

```
FREE "DD(OUTDD)"
```