

Candidate Style Answers

OCR GCSE ICT J461 / J061

Unit B065 Practical Applications in ICT: Controlled Assessment Task

Listings for Spelling Programs

This support material booklet is designed to accompany the OCR GCSE ICT specifications for teaching from September 2010.

Introduction

OCR has produced these candidate style answers to support teachers in interpreting the assessment criteria for the new GCSE specifications and to bridge the gap between new specification release and availability of exemplar candidate work.

This content has been produced by subject experts, with the input of Chairs of Examiners, to illustrate how the sample assessment questions might be answered and provide some commentary on what factors contribute to an overall grading. The candidate style answers are not written in a way that is intended to replicate student work but to demonstrate what a “good” or “excellent” response might include, supported by examiner commentary and conclusions.

As these responses have not been through full moderation and do not replicate student work, they have not been graded and are instead, banded “middle” or “high” to give an indication of the level of each response.

Please note that this resource is provided for advice and guidance only and does not in any way constitute an indication of grade boundaries or endorsed answers.

Listing

The menu program listing

```
REM Menu
20 MODE 19
COLOUR 133
CLS
PRINT TAB(5,5) "Spelling Test"
PRINT TAB(3,8) "1. Take Test"
PRINT TAB(3,10) "2. Create a new word file"
PRINT TAB(3,12) "3. Quit"

g=GET
PRINT g

IF g<49 OR g>51 THEN
  CLS
  PRINT "select a number between 1 and 3 please"
  WAIT 300
  GOTO 20
ELSE
  IF g=49 THEN
    CHAIN"Reading in the data to say"
  ELSEIF g=50 THEN
    CHAIN"Writing data to file"
  ELSEIF g=51 THEN
    END
  ENDIF
ENDIF
ENDIF
ENDIF
```

Reading in the data to be spoken and RT Russell speech routines.

```
REM. based on program by R.T.Russell, 24-Apr-2007
REM. Error handling routine R.T Russell
```

```
INSTALL @lib$+"COMLIBA"
```

```
ON ERROR PROC_comexit : PRINT 'REPORT$ : END
ON CLOSE PROC_comexit : QUIT
```

```
PROC_cominit
```

```
Pitch% = 0
Speed% = 0
Voice$ = ""
```

```
REM my code
```

```
VDU23,130,255,129,165,129,165,153,66,60
VDU23,131,255,129,165,129,153,165,66,60
smile$=CHR$(130)+" "+CHR$(130)+" "+CHR$(130)+" "+CHR$(130)+" "+CHR$(130)+" "+CHR$(130)+"
"+CHR$(130)
sad$=CHR$(131)+" "+CHR$(131)+" "+CHR$(131)+" "+CHR$(131)+" "+CHR$(131)+" "+CHR$(131)+"
"+CHR$(131)
```

```

150 MODE 19
  COLOUR 136
  CLS

  PRINT TAB(3,5) "Student name"
  INPUT TAB(5,8) studentname$
  CLS

  PRINT TAB(3,5) "Which data file?"
  INPUT TAB(5,8) wordsfile$
  filename$="C:/"+wordsfile$+".txt"
  CLS
  correct=0
  a=OPENIN filename$
  IF a=0 THEN
    PRINT TAB(5,5)"Data file does not exist"
    WAIT 300
    GOTO 150
  ENDIF

  INPUT#a,size
  DIM item$(size)
  DIM student$(size)
  DIM failed$(size)

  FOR j=0 TO size
    INPUT#a,item$(j)
  NEXTj
  CLOSE#a

  i=0
  fail=0

  REPEAT
    word$ =item$(i)
    FOR k=0TO 15
      PRINT TAB(k+5,8) " "
    NEXT k
    FOR l=1 TO LEN(word$)
      PRINT TAB(9+l,16)"*"
    NEXT l

    COLOUR 3
    PRINT TAB(5,8) word$
    IF word$="" THEN
      COLOUR 3
      PRINT TAB(2,12) "Score ";correct;" out of ";i
      PRINT TAB(3,16) "
    ENDIF
    FOR k=0TO 14
      PRINT TAB(k+28,16) " "
    NEXT k

```

```

PROCSpeak(word$,Pitch%,Speed%,Voice$)
IF word$<>" THEN
  COLOUR 7
  INPUT TAB(10,16) student$(i)
  IF student$(i)=item$(i) THEN
    correct=correct+1
    COLOUR 6
    PRINT TAB(5, 20) smile$
  ELSE
    COLOUR 2
    PRINT TAB(5,20) sad$
    fail=fail+1
    failed$(fail)=word$
  ENDIF
ENDIF
ENDIF
i=i+1

```

```

UNTIL word$ = ""

```

```

incorrectfile$="C:/"+studentname$+".txt"
b=OPENOUT incorrectfile$
FOR count=1 TO fail
  PRINT#b,failed$(count)
NEXT count
CLOSE#b

```

```

PROC_comexit
END

```

REM. Procedures from R T Russell

```

DEF PROCspeak(word$,pitch%,speed%,voice$)
tts% = FN_createobject("Sapi.SpVoice")
IF tts% THEN
  LOCAL qual$
  qual$ = "<PITCH ABSMIDDLE=""+STR$pitch%+""/><RATE
ABSSPEED=""+STR$speed%+""/>"
  IF voice$<>" qual$ += "<VOICE REQUIRED=""NAME="+voice$+""/>"
  PROC_callmethod(tts%, "Speak(""+qual$+word$+""")")
  PROC_releaseobject(tts%)
ENDPROC
ENDIF
tts% = FN_createobject("Speech.VoiceText")
IF tts% THEN
  PROC_callmethod(tts%, "Register("", "COMLIB demo")")
  PROC_putvalue(tts%, "Enabled(BTRUE)")
  PROC_putvalue(tts%, "Speed("+STR$INT(150*3^(speed%/10))+")")
  PROC_callmethod(tts%, "Speak(""+phrase$+""", 1)")
  REPEAT
    SYS "Sleep", 150
  UNTIL FN_getvalueint(tts%, "IsSpeaking") = 0
  PROC_releaseobject(tts%)
ENDPROC
ENDIF

```

Writing the data to the file.

```
MODE 19
COLOUR 134
COLOUR 1
CLS
INPUT "File name " file$
filename$="C:/"+file$+".txt"
INPUT "How many words? "size
DIM word$(size)
FOR x= 1TO size
  INPUT "word ", word$(x)
NEXT
a=OPENOUT filename$
PRINT#a,size
FOR i=1 TO size
  PRINT#a,word$(i)
NEXT
CLOSE#a
```

Looking at the words the child did not spell correctly

```
MODE 19
COLOUR 134
COLOUR 1
CLS
INPUT "File name " file$
filename$="C:/"+file$+".txt"
a=OPENIN filename$
REPEAT
  INPUT#a,word$
  PRINT word$
UNTIL EOF#a
CLOSE#a
```