

**Requirements:**

A floppy diskette is required for storing programs.

**What you should do:**

- (a) Read each program carefully before you type it in.
- (b) *Deskcheck*. For each program, write down what you think is going to be the output (what the program is going to do) *before* you type the program in.
- (c) Type in the following programs to practise the use of the QBasic programming environment and to see the programs work (execute).
- (d) After each program listing below, write down the 'output' or what the program put onto the QBasic output screen when you have correctly executed with the program.
- (e) Each program exercise is an independent program. Save the program you type in and start a new program for each exercise.

**Program 3: - Using a reference (variable) to memory**

```
REM
'   Name:
'   Class:
'   This is program takes a closer look at
'   variables
CLS
COLOR 2
age = 11
PRINT "I am "; age; "years old."
age = 25
PRINT "But I will grow and soon will be"; age
PRINT
```

Deskcheck 3:

Output 3:

**Program 4: - Using a reference (variable) to memory**

```
REM
'   Name:
'   Class:
'   This is program takes a closer look at
'   variables [part 2]

year = 1998
day = 12
month = 3
COLOR 5
PRINT "The year is"; year
PRINT "The month is"; month
PRINT "The day is"; day
PRINT "-or-"
PRINT "The day is ";day;"/";month;"/";year
```

Deskcheck 4:

Output 4:

**Program 5: - Getting Keyboard Input**

```
REM
'   Name:
'   Class:
'   This is program shows how to get Keyboard Input
CLS
```

```
PRINT "Please Enter your Name"
INPUT name$

PRINT "Hello ";name$
```

Deskcheck 5:

Output 5:

### Programming Exercises

With the following program assignments, make sure that you put in REM statements to specify:

- (a) Your Name:
- (b) Your Class:
- (c) The assignment Number

1. Write a program that takes (receives) any two numbers from the user. The two numbers are taken and sent back onto the screen multiplied together.

An example screen output would be:

```
Give me two numbers separated by a comma ? 12, 13
The number 12 and 13 multiplied together is : 156
```

2. Write a program that takes (receives) any two numbers from the user. The second number is subtracted from the first number and sent back on to the screen.

An example screen output (using the same numbers as above) would be:

```
Give me two numbers separated by a comma ? 12, 13
The number 13 subtracted from 12 gives : -1
```