**REVISION 1**

**Question 1**

Identify and correct the error in each of the following statements:

|  |  |
| --- | --- |
| i | int x=0;  while (x = < 5)  {  printf("Hello\n");  x++;  } |
| ii | int x;  x = 10;  printf("The value of x is %c\n", x); |

**Question 2**

Draw the flowchart for the following code:

#include <stdio.h>

int main ()

{

int a;

for( a = 10; a < 20; a = a + 1 )

{

printf("value of a: %d\n", a);

}

return 0;

}

**Question 3**

Analyse the following C program and determine the output of the program. Please show the exact output string and spacing.

#include <stdio.h>

int main()

{

printf("Below are a list of fruits in a basket:\n");

printf("%6s\n","Pear");

printf("%-3s","Orange");

return 0;

}

**Question 4**

Determine the output for the following program when the user inputs the string “hello”

#include <stdio.h>

#define SIZE 80

int mystery2(const char \*s); // prototype

int main(void)

{

char string[SIZE]; // create char array

puts("Enter a string: ");

scanf("%79s", string);

printf("%d\n", mystery2(string));

} // end main

// What does this function do?

int mystery2(const char \*s)

{

int x; // counter

// loop through string

for (x = 0; \*s != '\0'; ++s)

{

++x;

} // end for

return x;

} // end function mystery2