

Lab Work 4

Objectives: This lab work aims to test your understanding of “Assignment and input statements ”

Assignment statement:

Q1: Consider the following program segment

```
//include statement  
  
void main()  
{ //variable declaration  
  
    //executable statements  
  
}
```

- a. Write C++ statements that include the header files iostream.h
- b. Write C++ statements that declare x, y and z variables of type integer.
- c. Write C++ statements that prompt the user to input integer number and store the number in x.
- d. Write C++ statements that store the value of x in y.
- e. Write C++ statements that add 2 to the value of x and store the result in x.
- f. Write C++ statements that sum the value of (x , y) and store the result in z
- g. Write C++ statements that output the value of x, y and z.
- h. Compile and run your program

Q2: Consider the following program segment

```
//include statement  
  
void main()  
{ //variable declaration  
  
    //executable statements  
  
}
```

- a. Write C++ statement that include the header files iostream.h
- b. Write C++ statement that declare x, y, z and m variables of type integer.
- c. Write C++ statement that declares r of type integer and initializing it with 12.
- d. Write C++ statements that prompt the user to input 2 integer numbers and store the number in x and y.
- e. Write C++ statements that store the value of (x – y +5) in z.
- f. Write C++ statements that store the value of (z-r) in m.
- g. Write C++ statements that output the value of m.
- h. Compile and run your program

Home Work:

Q3: Write a program that displays the results of the following expressions:

- a. $A=B \% 15$
- b. $R= X^2 + Y/5$
- c. $Z= X > (B+Y)$

Q4: Write a C++ program that input three floating variables and calculate

- a. Their summation
- b. Their average

Q5: Write a program that converts the temperature from Fahrenheit to Centigrade.

Hint: $C = \frac{F - 32}{1.8}$