



**Objective:**

- The purpose of this quiz is to focus on the very basic fundamental concepts learned so far in previous lectures.

**Question No 1:**

**(3,1)**

- A.** Give output of the following code segment. In case of any error give reason.

```
void wow ()  
{  
    int & ref = * ( new int ) ;  
    int * p = & ref ;  
    * p = 90 ;  
    cout << ref << endl << * p ;  
}
```

**Answer:**

- B.** Write the coding statements to create an alias, named as 'q' of identifier 'p' declared below.
- ```
int ** const p=0;
```

**Question No 2:**

**(4)**

Write a function, which receives a character. If the received character is English Alphabet in upper case then the function return the equivalent lower case alphabet otherwise it returns same received character.



**Question No 3:**

**(5)**

Write a function, which repeatedly reads integers from the user, stopping only when the user enters -1, and returns the largest value input



**Question No 4:**

**(6)**

Hope you remember the following

```
struct Rational
{
    int numerator;
    int denominator;
};
```

Give definition of the following function:

```
void reduce( Rational & a )
```

This function modifies the received rational variables by reducing the numerator and denominator.  
For Example, if the received variable has 12/30 then this function change it to 2/5.



**Question No 5:**

**(6)**

Hope you remember the following

```
struct Time
{
    int hour;
    int minute;
    int second;
};
```

Give definition of the following function:

Void incMin( Time & t, int = 1 ); // increment in the minute of the received time variable