ESC101 : Fundamental of computing

<center>**Quiz 1(B)**   **21 August, 2008**</center>

Name :

Roll no :   **Section:**

Question 1 What is the output of the following code ?

```
class manipulations
{
   public static void main(String args[])
   {
     int i,j,k;
     i = 20;
     j = i/3;
     i = 4/5*j + 1;
     k = 10*i;
     j = j + k;
     System.out.println(i);
     System.out.println(j);
     System.out.println(k);
   }
}
```

Answer :

Question 2 The following program is supposed to count the number of odd digits in an integer **n**. For example, for **n=154**, the answer is 2; for **n=668**, the answer is 0.
<u>Fill in the blanks appropriately.</u>

```
class product
{
   public static void main(String args[])
   {
     int n;
     // we assign some positive integer value to n here.
     int t = n;
     int d = 0;
     int count;
     count = 0;

     while(t > _____ )
     {

         d =   _____ ;

         t =   _____ ;

         if(_____)

                 count = _____ ;
     }
     System.out.println(``The number of odd digits in''+n+`` is ''+count);
   }
}
```

<center>1</center>

Question 3 Consider the following program.

```
class if_else_example
{
  public static void main(String args[])
  {
      int n = 52;
      if(n%3==0)
          {
            if(n%5==0)
                System.out.println(''first'');
            else
                System.out.println(''second'');
          }
      else
          {
            if(n%2==0)
                System.out.println(''third'');
            else
                System.out.println(''fourth'');
          }
  }
}
```

1. What is the output of the program ?
Answer :

2. What would be the output of the program if **n** was assigned 31 ?
Answer :

3. What would be the output of the program if **n** was assigned 33 ?
Answer :