

ESC101 : Fundamental of computing

Quiz 1(A)

21 August, 2008

Name :

Roll no :

Section:

Question 1 What is the output of the following code ?

```
class
{
    public static void main(String args[])
    {
        int i,j,k;
        i = 120;
        j = i%24;
        i = j+2+4/5;
        k = 10*i + 1;
        j = j + k;
        System.out.println(i);
        System.out.println(j);
        System.out.println(k);
    }
}
```

Answer :

Question 2 The following program is supposed to compute the product of all the digits of an integer $n > 0$.
Fill in the blanks appropriately.

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

        while(temp > _____ )
        {

            digit = _____ ;

            temp = _____ ;

            product = _____ ;

        }

        System.out.println("The product of the digits of ''+n+''' is ''+product);
    }
}
```

Question 3 Consider the following program.

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