1. *MiniLab1:Write a for loop that prints: (first try writing it without use of Eclipse)*

```
*****
****
***
**
*
```

MiniLab1_Code:

```
For(int x = 5; x<=1; x--;)
{
        For(int y = 1; y<=x; y++)
        {
                System.out.print("*");
        }

     System.out.println();
}
```

MiniLab2:
Write the code that prints (first try writing it without use of Eclipse)

```
97531
7531
531
31
1
```

MiniLab2_Code

```
For(int x = 9; x>0; x = x-2)
{
        For(int y=0; y<x; y=y+2)
        {
        System.out.print(x-y);
        }
        System.out.println();
}
```

2. Which code segment will correctly print the following?

```
x
xx
xxx
xxxx
```

a. `for(int x=1; x<=4; x++)`
    `{`
    `for(int y=1; y<=4; y++)`
    `System.out.print(x);`
    `System.out.println();`
    `}`
b. `for(int x=1; x<=4; x++)`
    `{`
    `for(int y=1; y<=x; y++)`
    `System.out.print(x);`
    `System.out.println();`
    `}`
c. `for(int x=1; x<=4; x++)`
    `{`
    `for(int y=1; y<=4; y++)`
    `System.out.print("x");`
    `System.out.println();`
    `}`
d. `for(int x=1; x<=4; x++)`
    `{`
    `for(int y=1; y<=x; y++)`
    `System.out.print("x");`
    `System.out.println();}`

3.
```java
public class NestedForLoops
{
    public static void main (String[] args)
    {
     for (int i = 1 ; i <= 5 ; i++)
     {
         for (int j = 1 ; j <= i ; j++)
         {
           System.out.print("R");
         }
        System.out.println();
      }
         System.out.println();
         System.out.print("Bye");
    }
}
```

```
output is :  R
             RR
             RRR
             RRRR
             RRRRR
             Bye
```

Consider the following code segment.

```java
for(int k=0; k<10; k++)
{
   for(int j=0; j<5; j++)
      System.out.print("*");
}
```

How many asterisks (stars) will be displayed when this code segment is executed?
a. 50
b. 15
c. 10
d. 5