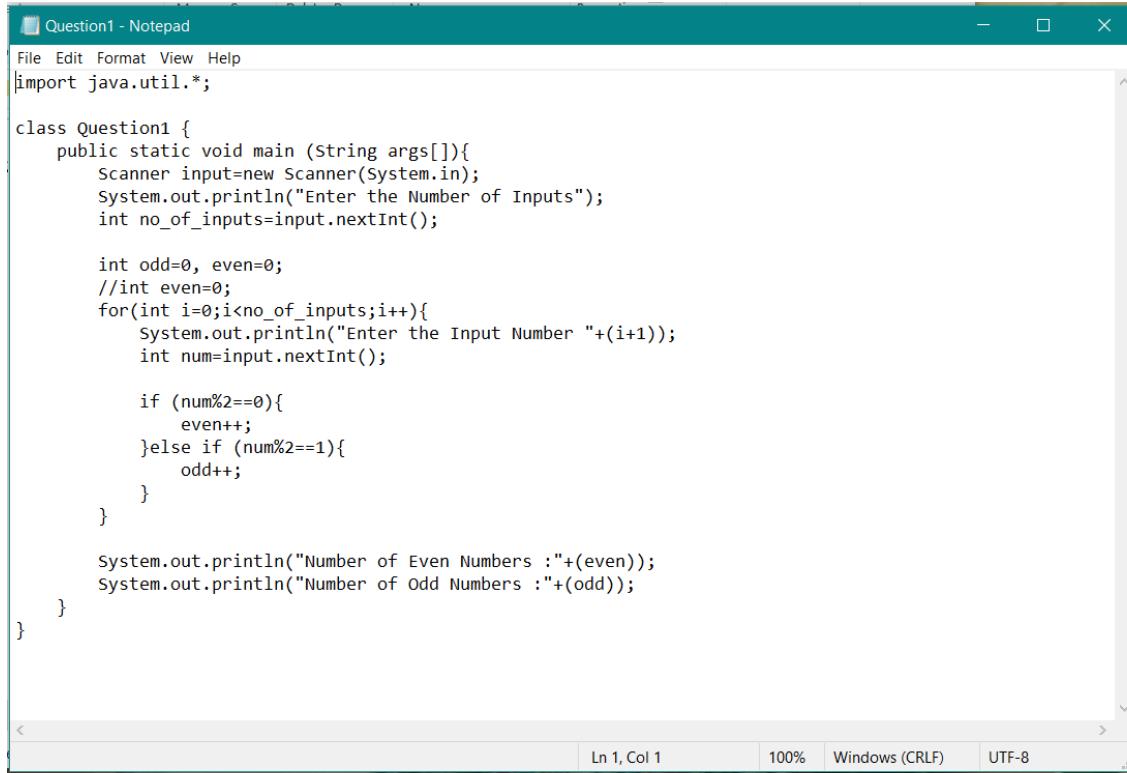


IS2104 Rapid Application Development

Practical 5

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Index No - 20020554
Registration No - 2020/IS/055

Q1:



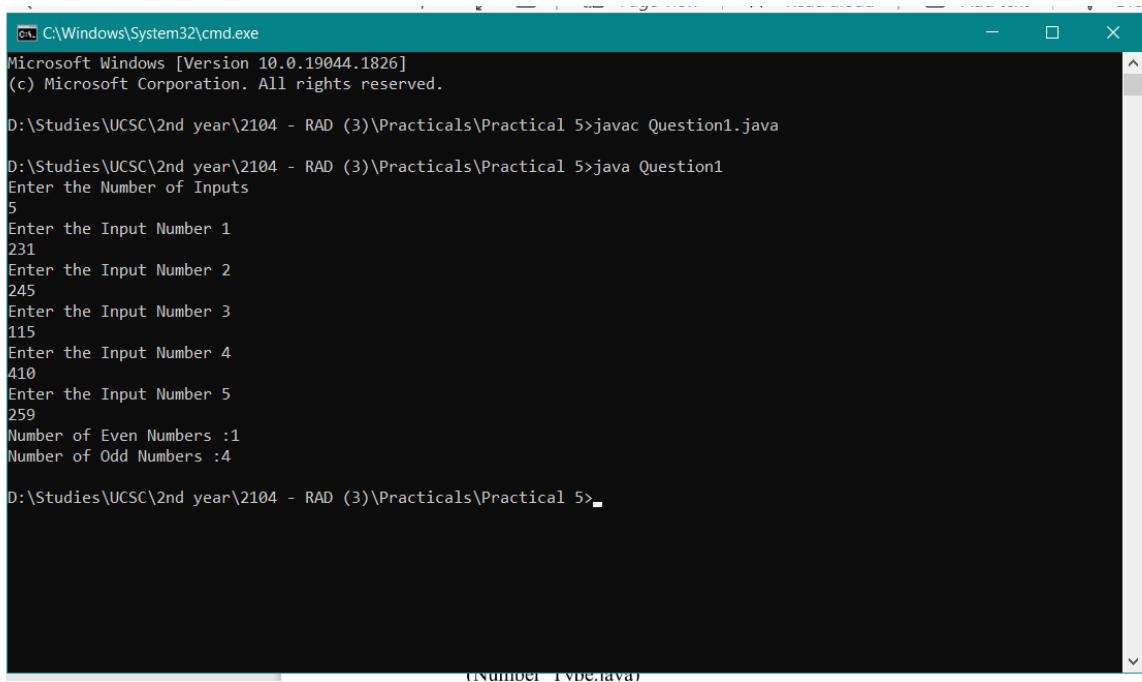
```
Question1 - Notepad
File Edit Format View Help
import java.util.*;

class Question1 {
    public static void main (String args[]){
        Scanner input=new Scanner(System.in);
        System.out.println("Enter the Number of Inputs");
        int no_of_inputs=input.nextInt();

        int odd=0, even=0;
        //int even=0;
        for(int i=0;i<no_of_inputs;i++){
            System.out.println("Enter the Input Number "+(i+1));
            int num=input.nextInt();

            if (num%2==0){
                even++;
            }else if (num%2==1){
                odd++;
            }
        }

        System.out.println("Number of Even Numbers :"+(even));
        System.out.println("Number of Odd Numbers :"+(odd));
    }
}
```



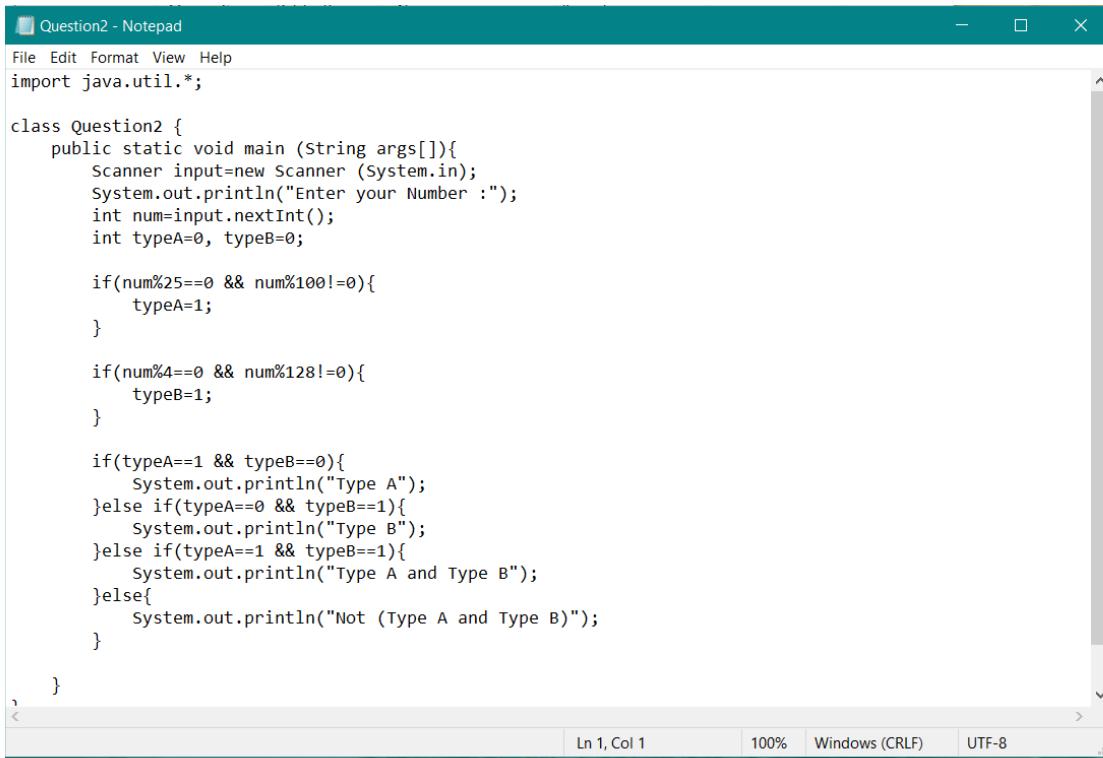
```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19044.1826]
(c) Microsoft Corporation. All rights reserved.

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>javac Question1.java

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question1
Enter the Number of Inputs
5
Enter the Input Number 1
231
Enter the Input Number 2
245
Enter the Input Number 3
115
Enter the Input Number 4
410
Enter the Input Number 5
259
Number of Even Numbers :1
Number of Odd Numbers :4

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>
```

Q2:



```
Question2 - Notepad
File Edit Format View Help
import java.util.*;

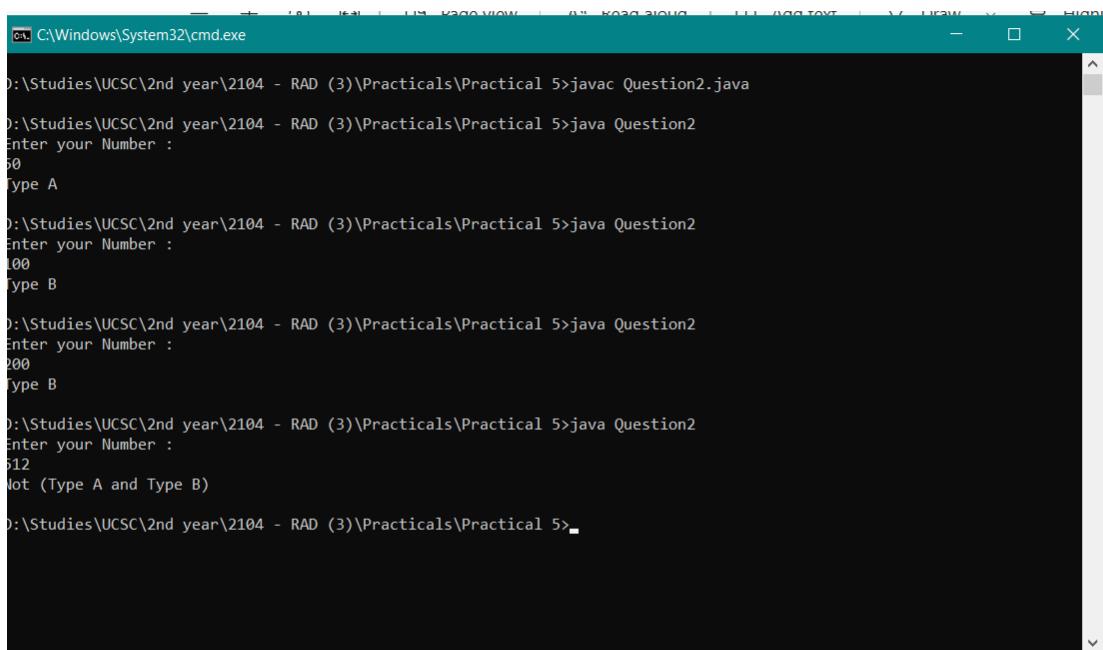
class Question2 {
    public static void main (String args[]){
        Scanner input=new Scanner (System.in);
        System.out.println("Enter your Number :");
        int num=input.nextInt();
        int typeA=0, typeB=0;

        if(num%25==0 && num%100!=0){
            typeA=1;
        }

        if(num%4==0 && num%128!=0){
            typeB=1;
        }

        if(typeA==1 && typeB==0){
            System.out.println("Type A");
        }else if(typeA==0 && typeB==1){
            System.out.println("Type B");
        }else if(typeA==1 && typeB==1){
            System.out.println("Type A and Type B");
        }else{
            System.out.println("Not (Type A and Type B)");
        }
    }
}

Ln 1, Col 1 | 100% | Windows (CRLF) | UTF-8
```



```
C:\Windows\System32\cmd.exe
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>javac Question2.java
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question2
Enter your Number :
50
Type A

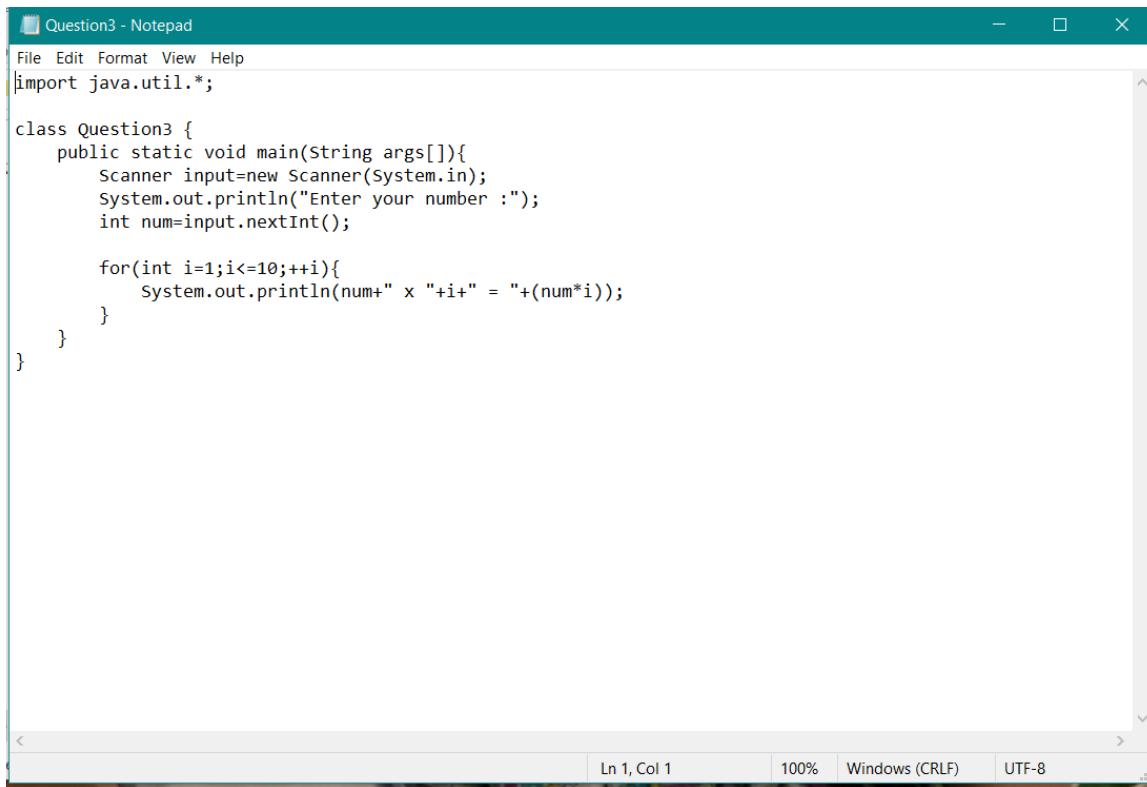
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question2
Enter your Number :
100
Type B

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question2
Enter your Number :
200
Type B

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question2
Enter your Number :
512
Not (Type A and Type B)

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>
```

Q3:



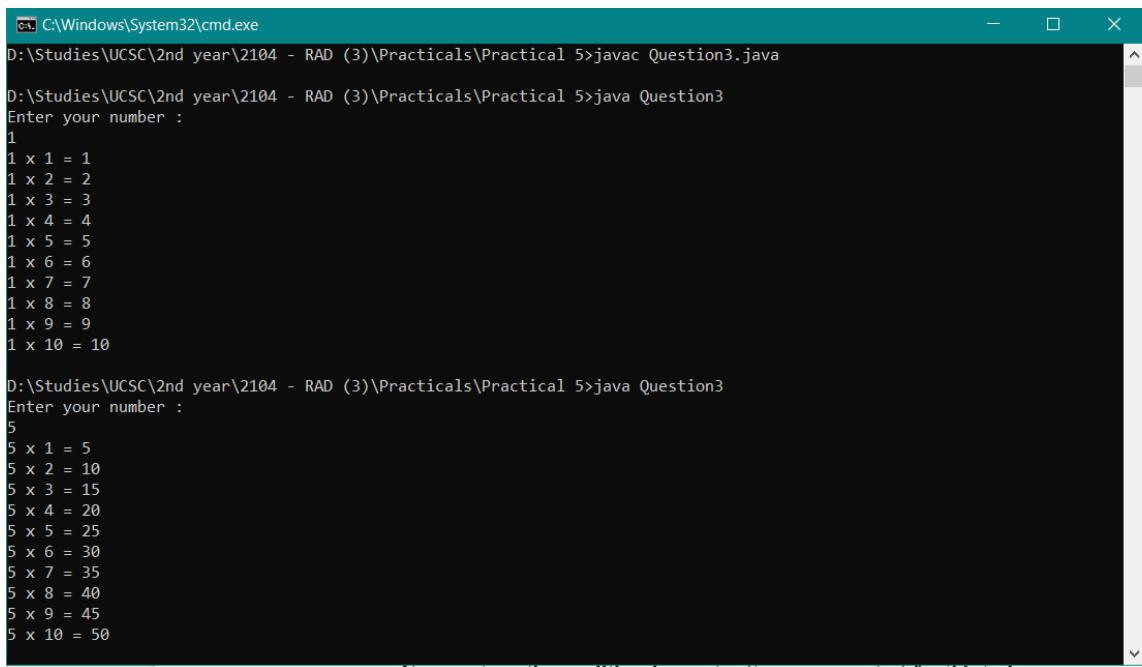
Question3 - Notepad

```
File Edit Format View Help
import java.util.*;

class Question3 {
    public static void main(String args[]){
        Scanner input=new Scanner(System.in);
        System.out.println("Enter your number :");
        int num=input.nextInt();

        for(int i=1;i<=10;++i){
            System.out.println(num+" x "+i+" = "+(num*i));
        }
    }
}
```

Ln 1, Col 1 100% Windows (CRLF) UTF-8



C:\Windows\System32\cmd.exe

```
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>javac Question3.java
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question3
Enter your number :
1
1 x 1 = 1
1 x 2 = 2
1 x 3 = 3
1 x 4 = 4
1 x 5 = 5
1 x 6 = 6
1 x 7 = 7
1 x 8 = 8
1 x 9 = 9
1 x 10 = 10

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question3
Enter your number :
5
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
```

```
C:\Windows\System32\cmd.exe

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question3
Enter your number :
7
7 x 1 = 7
7 x 2 = 14
7 x 3 = 21
7 x 4 = 28
7 x 5 = 35
7 x 6 = 42
7 x 7 = 49
7 x 8 = 56
7 x 9 = 63
7 x 10 = 70

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question3
Enter your number :
8
8 x 1 = 8
8 x 2 = 16
8 x 3 = 24
8 x 4 = 32
8 x 5 = 40
8 x 6 = 48
8 x 7 = 56
8 x 8 = 64
8 x 9 = 72
8 x 10 = 80

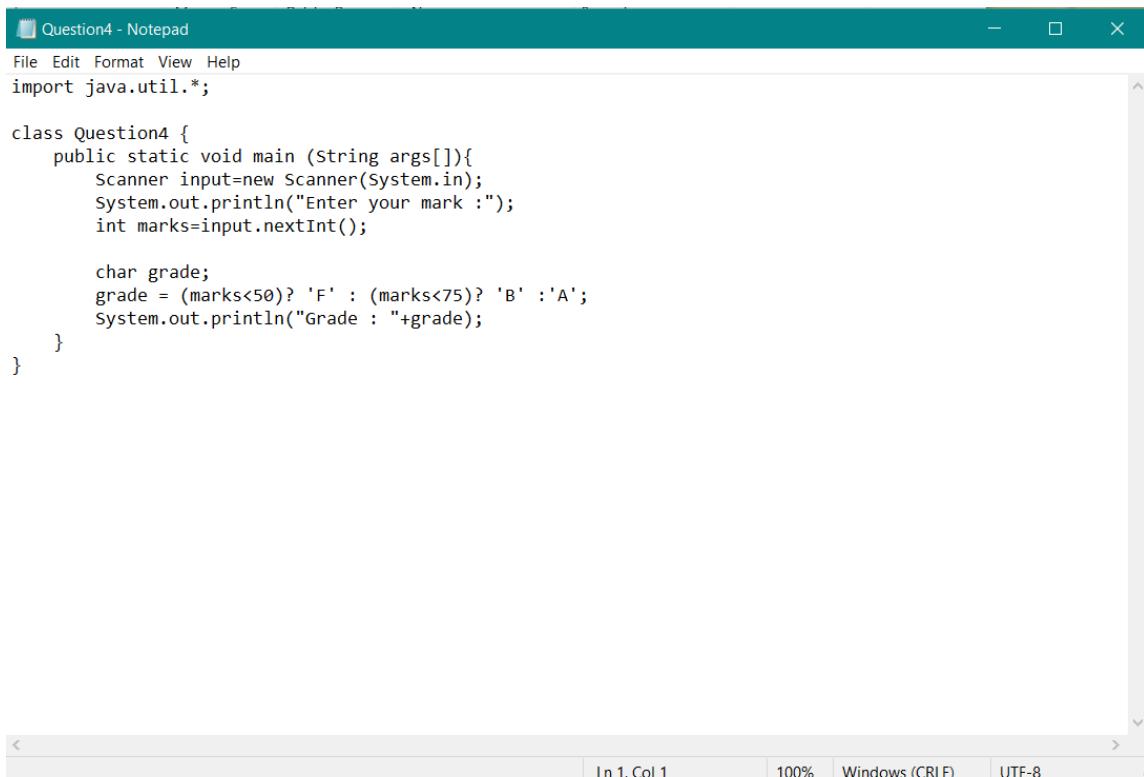
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>
```

```
C:\Windows\System32\cmd.exe

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question3
Enter your number :
10
10 x 1 = 10
10 x 2 = 20
10 x 3 = 30
10 x 4 = 40
10 x 5 = 50
10 x 6 = 60
10 x 7 = 70
10 x 8 = 80
10 x 9 = 90
10 x 10 = 100

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>
```

Q4:



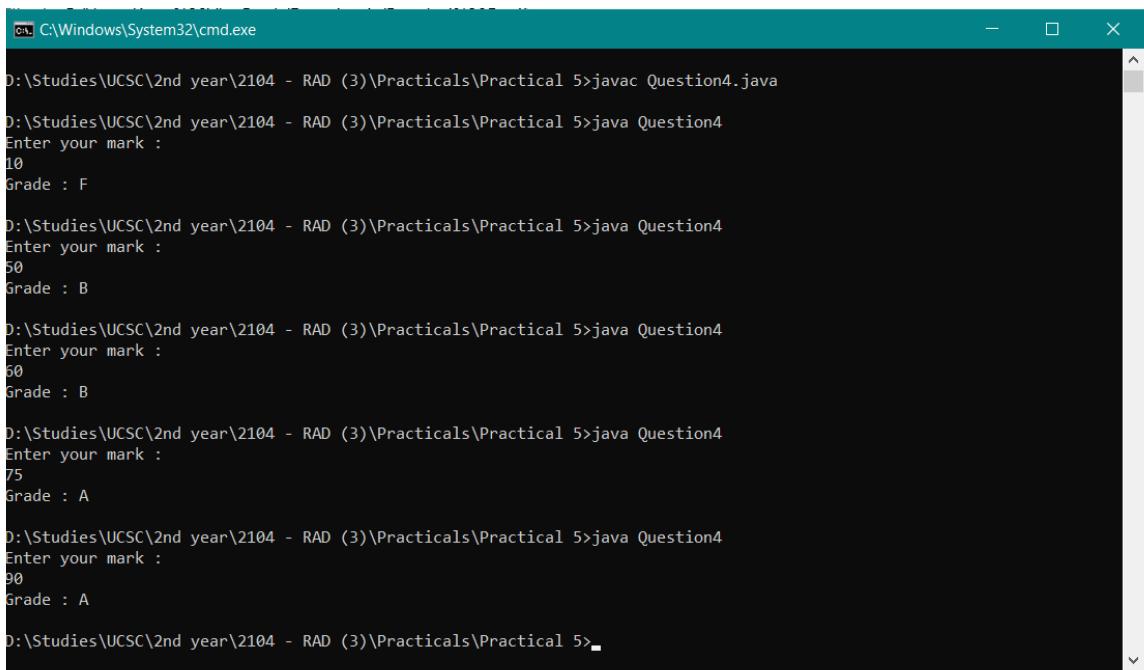
Question4 - Notepad

```
File Edit Format View Help
import java.util.*;

class Question4 {
    public static void main (String args[]){
        Scanner input=new Scanner(System.in);
        System.out.println("Enter your mark :");
        int marks=input.nextInt();

        char grade;
        grade = (marks<50)? 'F' : (marks<75)? 'B' : 'A';
        System.out.println("Grade : "+grade);
    }
}
```

Ln 1, Col 1 | 100% | Windows (CRLF) | UTF-8



C:\Windows\System32\cmd.exe

```
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>javac Question4.java
D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question4
Enter your mark :
10
Grade : F

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question4
Enter your mark :
50
Grade : B

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question4
Enter your mark :
75
Grade : A

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>java Question4
Enter your mark :
90
Grade : A

D:\Studies\UCSC\2nd year\2104 - RAD (3)\Practicals\Practical 5>
```