

Assignment-01:-

Task 1 – Write a program to swap two number. For example a=10 and b=20 output should be a=20 and b=10

```
import java.util.Scanner;

public class Swap {

    public static void main(String[] args) {

        int a,b,s;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the values for a and b");

        a=sc.nextInt();

        b=sc.nextInt();

        System.out.println("Before swapping values are:"+ a + " " + b);

        s=a;

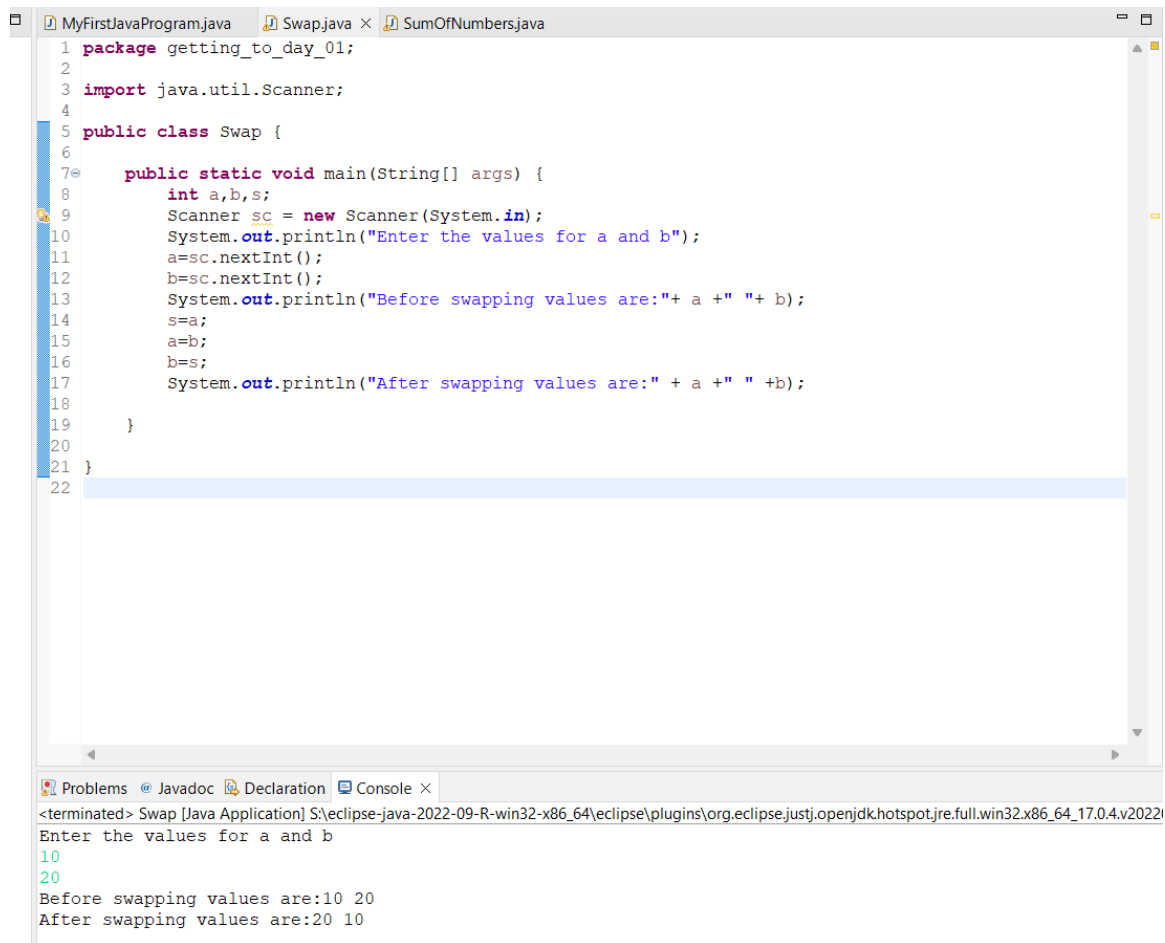
        a=b;

        b=s;

        System.out.println("After swapping values are:" + a + " " +b);

    }

}
```



```
1 package getting_to_day_01;
2
3 import java.util.Scanner;
4
5 public class Swap {
6
7     public static void main(String[] args) {
8         int a,b,s;
9         Scanner sc = new Scanner(System.in);
10        System.out.println("Enter the values for a and b");
11        a=sc.nextInt();
12        b=sc.nextInt();
13        System.out.println("Before swapping values are:" + a + " " + b);
14        s=a;
15        a=b;
16        b=s;
17        System.out.println("After swapping values are:" + a + " " + b);
18    }
19 }
20
21
22
```

Problems @ Javadoc Declaration Console ×

<terminated> Swap [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20221

Enter the values for a and b

10

20

Before swapping values are:10 20

After swapping values are:20 10

Task 2- Write a program to print the sum of below 5 numbers.

10,90.78,111,8989,7876

```
import java.util.Scanner;

public class SumOfNumbers {

    public static void main(String[] args) {

        double a,b,c,d,e;

        double total;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the values for a,b,c,d,e:");

        a=sc.nextDouble();

        b=sc.nextDouble();

        c=sc.nextDouble();

        d=sc.nextDouble();

        e=sc.nextDouble();
```

```

        total=a+b+c+d+e;

        System.out.println("Sum of the Values are:"+ total );
    }
}

```

The screenshot shows the Eclipse IDE with the following code in `SumOfNumbers.java`:

```

1 package getting_to_day_01;
2
3 import java.util.Scanner;
4
5 public class SumOfNumbers {
6
7     public static void main(String[] args) {
8         double a,b,c,d,e;
9         double total;
10        Scanner sc = new Scanner(System.in);
11        System.out.println("Enter the values for a,b,c,d,e:");
12        a=sc.nextDouble();
13        b=sc.nextDouble();
14        c=sc.nextDouble();
15        d=sc.nextDouble();
16        e=sc.nextDouble();
17
18        total=a+b+c+d+e;
19        System.out.println("Sum of the Values are:"+ total );
20    }
21 }
22
23 }
24

```

The console output is as follows:

```

<terminated> SumOfNumbers [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32
Enter the values for a,b,c,d,e:
10
90.78
111
8989
7876
Sum of the Values are:17076.78

```

3.Task 3- Write a program to print the average of below 5 numbers.

10,90.78,111,8989,7876

```

import java.util.Scanner;

public class SumOfNumbers {

    public static void main(String[] args) {

        double a,b,c,d,e;

        double total;

```

```

Scanner sc = new Scanner(System.in);

System.out.println("Enter the values for a,b,c,d,e:");

a=sc.nextDouble();

b=sc.nextDouble();

c=sc.nextDouble();

d=sc.nextDouble();

e=sc.nextDouble();

total=(a+b+c+d+e)/5;

System.out.println("Average of the Values are:"+ total );

}

}

```

```

1  package getting_to_day_01;
2
3  import java.util.Scanner;
4
5  public class SumOfNumbers {
6
7      public static void main(String[] args) {
8          double a,b,c,d,e;
9          double total;
10         Scanner sc = new Scanner(System.in);
11         System.out.println("Enter the values for a,b,c,d,e:");
12         a=sc.nextDouble();
13         b=sc.nextDouble();
14         c=sc.nextDouble();
15         d=sc.nextDouble();
16         e=sc.nextDouble();
17
18         total=(a+b+c+d+e)/5;
19         System.out.println("Average of the Values are:"+ total );
20
21     }
22 }
23
24

```

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```

<terminated> SumOfNumbers [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64.jre\bin\java.exe
Enter the values for a,b,c,d,e:
10
90.78
111
8989
7876
Average of the Values are:3415.3559999999998

```

Task 4- Write a program to print all even numbers from 1-200

```
import java.util.Scanner;

public class EvenNumbers {

    public static void main(String[] args) {

        int n;

        Scanner sc =new Scanner(System.in);

        System.out.println("Enter n Value:");

        n=sc.nextInt();

        for(int i=0;i<=n;i++)

        {

            if(i%2==0)

            {

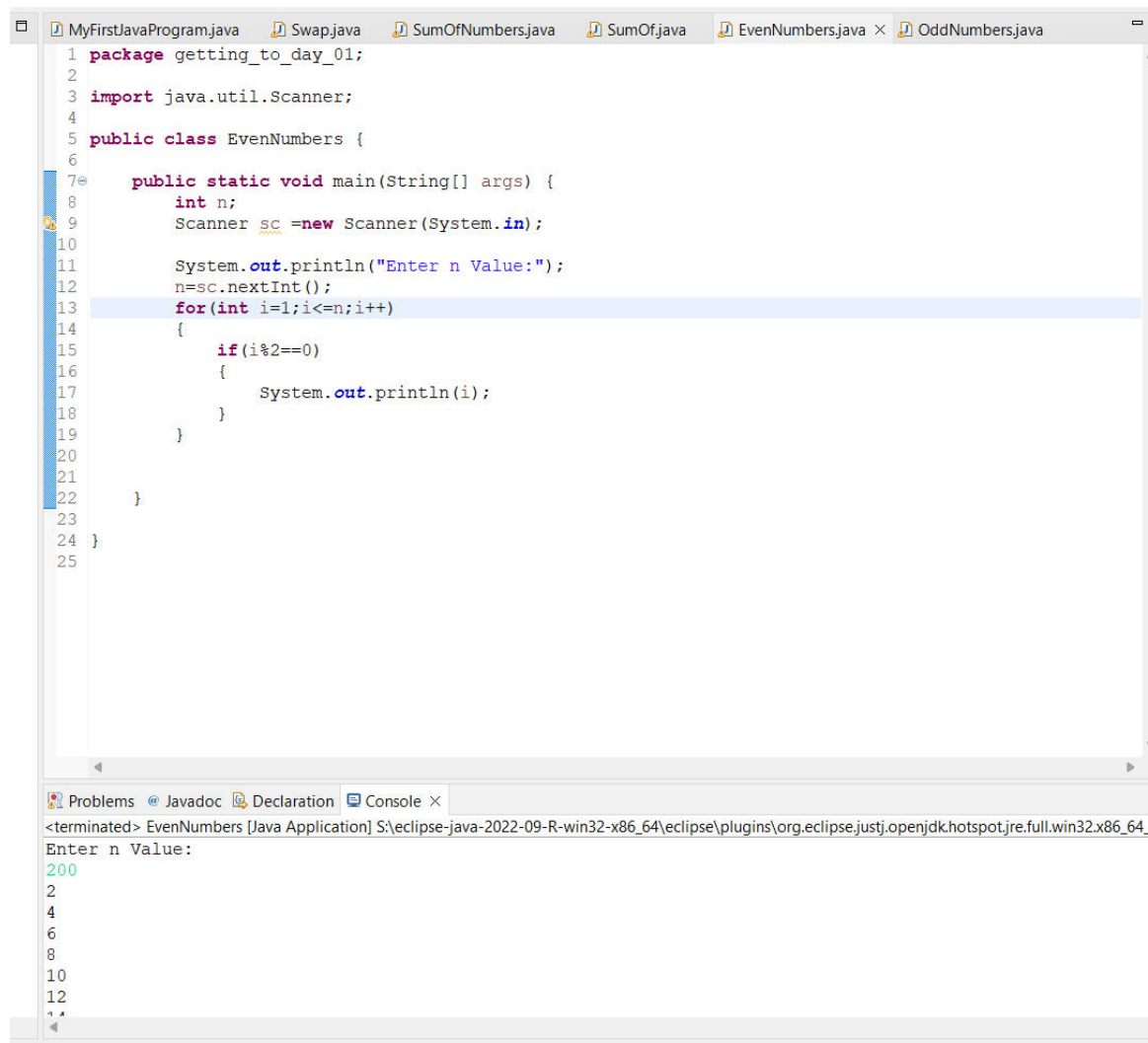
                System.out.println(i);

            }

        }

    }

}
```



```
1 package getting_to_day_01;
2
3 import java.util.Scanner;
4
5 public class EvenNumbers {
6
7     public static void main(String[] args) {
8         int n;
9         Scanner sc = new Scanner(System.in);
10
11         System.out.println("Enter n Value:");
12         n=sc.nextInt();
13         for(int i=1;i<=n;i++)
14         {
15             if(i%2==0)
16             {
17                 System.out.println(i);
18             }
19         }
20     }
21 }
22
23
24
25
```

Problems Javadoc Declaration Console ×

<terminated> EvenNumbers [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_

Enter n Value:
200
2
4
6
8
10
12
14

Task 5- Write a program to print all odd numbers from 1-50

```
package getting_to_day_01;

import java.util.Scanner;

public class OddNumbers {

    public static void main(String[] args) {

        int n;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter n Value:");

        n=sc.nextInt();

        for(int i=0;i<=n;i++)
```

```

        {

            if(i%2==1)

            {

                System.out.println(i);

            }

        }

    }

}

```

The screenshot shows the Eclipse IDE with a project named 'MyFirstJavaProgram'. The 'MyFirstJavaProgram.java' file is open, displaying the following code:

```

1 package getting_to_day_01;
2 import java.util.Scanner;
3 public class OddNumbers {
4     public static void main(String[] args) {
5         int n;
6         Scanner sc =new Scanner(System.in);
7
8         System.out.println("Enter n Value:");
9         n=sc.nextInt();
10        for(int i=0;i<=n;i++)
11        {
12            if(i%2==1)
13            {
14                System.out.println(i);
15            }
16        }
17    }
18 }
19 }
20

```

The 'Console' tab at the bottom shows the program's execution. It prompts 'Enter n Value:' and receives the input '50'. The program then prints the odd numbers from 1 to 49:

```

<terminated> OddNumbers [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk
Enter n Value:
50
1
3
5
7
9
11
13

```

Task 6- Write a program to print all prime numbers from 1-1000

```
package getting_to_day_01;

import java.util.Scanner;

public class PrimeNumbers {

    public static void main(String[] args) {

        int num , count;

        Scanner sc = new Scanner(System.in);

        System.out.print("Enter n value:");

        num=sc.nextInt();

        System.out.println("Prime Values are below...");

        for (int i = 1; i <= num; i++) {

            count = 0;

            for (int j = 2; j <= i / 2; j++) {

                if (i % j == 0) {

                    count++;

                    break;

                }

            }

            if (count == 0) {

                System.out.println(i);

            }

        }

    }

}
```



```
1 package getting_to_day_01;
2
3 import java.util.Scanner;
4
5 public class PrimeNumbers {
6
7     public static void main(String[] args) {
8
9         int num , count;
10        Scanner sc = new Scanner(System.in);
11        System.out.print("Enter n value:");
12        num=sc.nextInt();
13        System.out.println("Prime Values are below...");
14        for (int i = 1; i <= num; i++) {
15            count = 0;
16            for (int j = 2; j <= i / 2; j++) {
17                if (i % j == 0) {
18                    count++;
19                    break;
20                }
21            }
22            if (count == 0) {
23                System.out.println(i);
24            }
25        }
26    }
27 }
28
29 }
```

<terminated> PrimeNumbers [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v20220903-1038\jre\bin\javaw.exe (N

Enter n value:1000
Prime Values are below...
1
2
3
5
7
11

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Task 7- Write a program to print below pattern

```
package getting_to_day_01;

import java.util.Scanner;

public class PatternPrinting {

    public static void main(String[] args) {

        int n;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter the n value:");

        n=sc.nextInt();

        for(int i=1;i<=n;i++)

        {

            for(int j=1;j<=i;j++)

            {

                System.out.print("*");

            }

            System.out.println();

        }

    }

}
```

```

    }

}

}

package getting_to_day_01;
import java.util.Scanner;
public class PatternPrinting {
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the n value:");
        n=sc.nextInt();
        for(int i=1;i<=n;i++)
        {
            for(int j=1;j<=i;j++)
            {
                System.out.print("*");
            }
            System.out.println();
        }
    }
}

```

Problems Javadoc Declaration Console ×
 <terminated> PatternPrinting [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17
 6
 *
 **

 *

Task 8- Write a program to print below students marks who have scored above 80

Example- 78,12,89,55,35

Output- 78,89

```

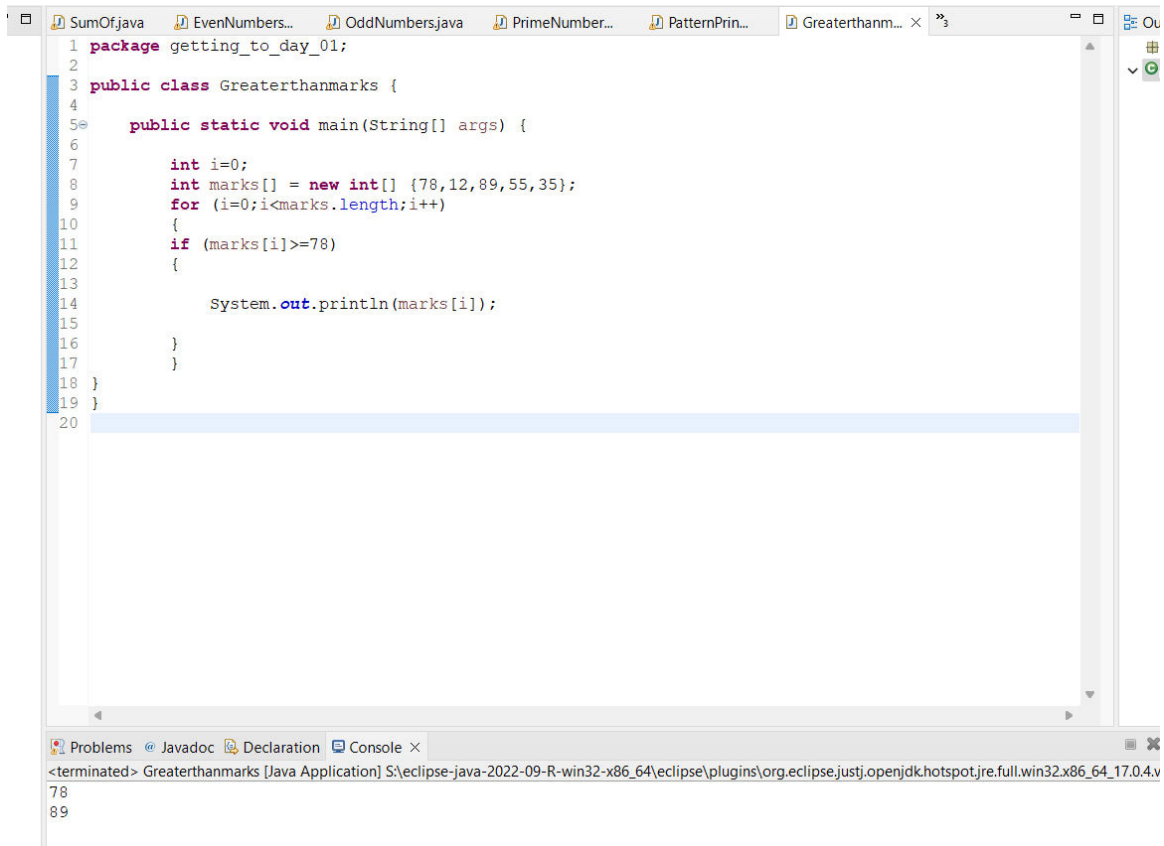
public class Greaterthanmarks {
    public static void main(String[] args) {
        int i=0;
        int marks[] = new int[] {78,12,89,55,35};
        for (i=0;i<marks.length;i++)
        {

```

```

        if (marks[i]>=78)
        {
            System.out.println(marks[i]);
        }
    }
}
}

```



```

1 package getting_to_day_01;
2
3 public class Greaterthanmarks {
4
5     public static void main(String[] args) {
6
7         int i=0;
8         int marks[] = new int[] {78,12,89,55,35};
9         for (i=0;i<marks.length;i++)
10        {
11            if (marks[i]>=78)
12            {
13
14                System.out.println(marks[i]);
15            }
16        }
17    }
18 }
19 }
20

```

Problems Javadoc Declaration Console ×

<terminated> Greaterthanmarks [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v

78
89

Task 9- Write a program which will break the current execution if it find number 85

Input - [12,34,66,85,900]

```

package getting_to_day_01;

public class BreakStat {

    public static void main(String[] args) {

```

```
int i=0;

int marks[] = new int[] {12,34,66,85,900};

for (i=0;i<marks.length;i++)
{
    if(marks[i]==85)
    {
        break;
    }
    System.out.println(marks[i]);
}

}
```



```

        break;
    }

    System.out.println(marks[i]);
}
}
}

```

The screenshot shows the Eclipse IDE with a project named 'getting_to_day_01'. The main editor displays the following Java code:

```

1 package getting_to_day_01;
2
3 public class BreakStatString {
4
5     public static void main(String[] args) {
6
7         int i=0;
8         String marks[] = new String[] {"Java", "JavaScript", "Selenium", "Python", "Mukesh"};
9         for (i=0;i<marks.length;i++)
10         {
11             if (marks[i]=="Selenium")
12             {
13                 break;
14             }
15             System.out.println(marks[i]);
16         }
17     }
18 }
19
20 }
21
22
23
24

```

The right sidebar shows the 'Outline' view with a tree structure containing 'get' and 'Bre'. The bottom console window shows the output of the program:

```

<terminated> BreakStatString [Java Application] S:\eclipse-java-2022-09-R-win32-x86_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.4.v202209
Java
JavaScript

```