

17-12-23

classmate

Date _____
Page _____

1) Write a program to print "Hello World"

```
import java.util.*;
```

```
class demo
```

```
{
```

```
    public static void main (String args[])
```

```
    {
```

```
        System.out.println ("hello world");
```

```
    }
```

```
}
```

output: hello world

2) Write a program to find the area of a rectangle using parseInt()

```
class area {
```

```
    public static void main (String args[]) {
```

```
        int length, breadth;
```

```
        length = Integer.parseInt(args[0]);
```

```
        breadth = Integer.parseInt(args[1]);
```

```
        int area = length * breadth;
```

```
        System.out.println ("length of rectangle = " + length);
```

```
        System.out.println ("breadth of rectangle = " + breadth);
```

```
        System.out.println ("area of rectangle = " + area);
```

```
    }
```

Output: length of rectangle = 10

breadth of rectangle = 8

area of rectangle = 80

3) Write a program to show example of scanner

```
import java.util.Scanner;
class scanner {
    public static void main (String args [])
    {
```

```
        int a; float b; String s;
```

```
        Scanner in = new Scanner (System.in);
```

```
        System.out.println ("enter a string: ");
```

```
        s = in.nextLine ();
```

```
        System.out.println ("you entered string "+s);
```

```
        System.out.println ("enter an integer");
```

```
        a = in.nextInt ();
```

```
        System.out.println ("you entered integer "+a);
```

```
        System.out.println ("enter a float ");
```

```
        b = in.nextFloat ();
```

```
        System.out.println ("you entered float "+b);
```

```
    }
```

```
}
```

Output: enter a string: java

you entered string java

enter an integer 100

you entered integer 100

enter a float 78.6

you entered float 78.6

4) Write a program to know the usage of array

```
class AutoArray {
```

```
    public static void main (String args []) {
```

```
        int month_days[] = {31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};
```

```
        System.out.println ("April has " + month_days[3] + " days");
    }
```

Output: April has 31 days

5) Write a program to find the factorial of a given number

```
class factorial {
    public static void main (String args[])
    {
        int fac = 1;
        System.out.println("Enter a number: ");
        Scanner sc = new Scanner (System.in);
        int n = sc.nextInt();
        for (int i = 1; i <= n; i++) {
            fac = fac * i;
        }
        System.out.println("The factorial: " + fac);
    }
}
```

Output: enter a number: 5
the factorial: 120

6) Write a program to check if it is a palindrome

```
import java.util.Scanner;
class palindrome
{
    public static void main (String args[])
    {
        int n, t, rem, rev = 0;
        Scanner sc = new Scanner (System.in);
        System.out.println("Enter a 5 digit number: ");
        n = sc.nextInt();
        t = n;
        while (t > 0)
        {
            rem = t % 10;
            rev = rev * 10 + rem;
            t = t / 10;
        }
    }
}
```



```

        if (rev == n)
        {
            System.out.println("palindrome");
        }
        else
        {
            System.out.println("not palindrome");
        }
    }
}

```

Output: enter a 5 digit number: 12321
palindrome

7) Write a program to find the sum of 5 digits

```

import java.util.*;
class Digits {
    public static void main (String args[]) {
        long number, sum;
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter a 5-digit number : ");
        number = sc.nextLong ();
        for (sum = 0; number != 0; number = number / 10) {
            sum = sum + number % 10;
        }
        System.out.println ("sum of digits: " + sum);
    }
}

```

Output: Enter a 5-digit number: 12345
Sum of digits: 15