

## Java Assignment 1

```
public class problm1{

    public static void main(String[]args){
        System.out.println("all data types");
        int a=10;
        System.out.println("integer datatype"+" "+a);
        float b=12.3f;
        System.out.println("float datatype"+" "+b);
        double c=34.00890;
        System.out.println("double  datatype"+" "+c);
        boolean d=false;
        System.out.println("boolean datatype"+" "+d);
        char ch='v';
        System.out.println("character datatype"+" "+ch);
        String s="vandna, kumari";
        System.out.println("string character"+" "+s);
        int arr[]={20,30,40,50};
        for(int i=0; i<arr.length; i++){
            System.out.print("array"+" "+arr[i]+' ');
        }

    }
}
```

Output: PS C:\Users\Vandna Kumari\Desktop\anuassign> cd "c:\Users\Vandna Kumari\Desktop\anuassign\" ; if (\$?) { javac problm1.java } ; if (\$?) { java problm1

}

all data types

integer datatype10

float datatype 12.3

double datatype 34.0089

boolean datatype false

character datatype v

string charactervandna, kumari

array 20,array 30,array 40,array 50,

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```
2. public class problem2 {

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

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```
int c=10;
int d=20;
int temp=c;
c=d;
d=temp;
System.out.println(c+","+d);
}
}
```

Output: PS C:\Users\Vandna Kumari\Desktop\anuassign> cd "c:\Users\Vandna Kumari\Desktop\anuassign\" ; if (\$?) { javac problem2.java } ; if (\$?) { java problem2 }

20,10

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```
3. public class problem3 {

    public static void main(String[] args) {
        int arr[][]={
            {72,5},
            {345,10},
            {345,100}
        };
        for(int[] array:arr){
            int dividend=array[0];
            int divisor=array[1];
            int quotient=dividend/divisor;
            int remainder=dividend%divisor;
            System.out.println("dividend "+dividend +", divisor:"+divisor+ "=
quotient:"+quotient+"remainder :"+ remainder);
        }
    }
}
```

Output:

PS C:\Users\Vandna Kumari\Desktop\anuassign> cd "c:\Users\Vandna Kumari\Desktop\anuassign\" ; if (\$?) { javac problem3.java } ; if (\$?) { java problem3 }

dividend 72, divisor:5= quotient:14remainder :2

dividend 345, divisor:10= quotient:34remainder :5

dividend 345, divisor:100= quotient:3remainder :45

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```
4. public class problem4 {  
  
    public static void main(String[] args) {  
        double marks[]={23,67,89};  
        double sum=0;  
        for(int i=0; i<marks.length; i++){  
            sum+=marks[i];  
        }  
        double avg=sum/marks.length;  
        System.out.println("average of three number"+avg);  
    }  
}
```

Output:

```
PS C:\Users\Vandna Kumari\Desktop\anuassign> cd "c:\Users\Vandna Kumari\Desktop\anuassign\"  
; if ($?) { javac problem4.java }; if ($?) { java problem4 }
```

average of three number59.666666666666664

```
PS C:\Users\Vandna Kumari\Desktop\anuassign>
```

```
5. public class problem5 {  
  
    public static void main(String[] args) {  
        System.out.println("convert fahrenheit temperature to centigrade  
degree");  
        double f=500;  
        double ftoc=(f-32)*(5.0/9.0);  
        System.out.println("convert ftoc"+ftoc);  
    }  
}
```

Output:

```
PS C:\Users\Vandna Kumari\Desktop\anuassign> cd "c:\Users\Vandna Kumari\Desktop\anuassign\"  
; if ($?) { javac problem5.java }; if ($?) { java problem5 }
```

convert fahrenheit temperature to centigrade degree

convert ftoc260.0

```
PS C:\Users\Vandna Kumari\Desktop\anuassign>
```

```
6. public class problem6 {  
  
    public static void main(String[] args) {  
        System.out.println("calculate area of square & prmeter ");  
        int a=6;  
        int area=a*a;
```

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```
System.out.println("area of square"+"="+area);
int perimeter=4*a;
System.out.println("area of perimeter"+"="+perimeter);
System.out.println("calculate area of rectangular & perimeter");
int l=10;
int b=20;
int area_R=l*b;
System.out.println("calculate area of rectangular"+"="+area_R);
int area_pR=2*(l+b);
System.out.println("calculate perimeter of rectangular"+"="+area_pR);
}
}
```

Output: PS C:\Users\Vandna Kumari\Desktop\anuassign> cd "c:\Users\Vandna Kumari\Desktop\anuassign\" ; if (\$?) { javac problem6.java } ; if (\$?) { java problem6 }

calculate area of square & prmeter

area of square=36

area of perimeter=24

calculate area of rectangular & perimeter

calculate area of rectangular=200

calculate perimeter of rectangular=60

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```
7. public class problem7 {
    public static void main(String[] args) {
        System.out.println("calculate the area of circle and circumference");
        int r=10;
        double area=(3.14)*r*r;
        System.out.println("calculate the area of circle"+area);
        double circumference=2*(3.14)*r;
        System.out.println("calculate the circumferenceor
circle"+circumference);
    }
}
```

Output: PS C:\Users\Vandna Kumari\Desktop\anuassign> cd "c:\Users\Vandna Kumari\Desktop\anuassign\" ; if (\$?) { javac problem7.java } ; if (\$?) { java problem7 }

calculate the area of circle and circumference

## Java Assignment 1

calculate the area of circle314.0

calculate the circumferenceor circle62.800000000000004

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