

ASSIGNMENT

DAY-4

- 1) Create a class avenger with properties (name,age,power,weapon,planet) and with functions-getDetails() and displayDetails(). Create 5 objects as an array in the main method and call.

CODE:

Main.java

```
package com.assign_day4;

public class Main {

    public static void main(String[] args) {

        Avenger[] av=new Avenger[1];
        for(int i=0;i<1;i++)
        {
            av[i]=new Avenger();
        }
        for(int i=0;i<1;i++)
        {
            av[i].getDetails();
        }
        for(int i=0;i<1;i++)
        {
            av[i].displayDetails();
        }
    }
}
```

Avenger.java

```
package com.assign_day4;
import java.util.Scanner;

public class Avenger {
    public String name,power,weapon,planet;
    public int age;
    Scanner sc= new Scanner(System.in);
    public void getDetails()
    {
        System.out.println("Enter name: ");
        name=sc.nextLine();
        System.out.println("Enter age: ");
        age=sc.nextInt();
        sc.nextLine();
        System.out.println("Enter the power: ");
        power=sc.nextLine();
        System.out.println("Enter the weapon which you own: ");
        weapon=sc.nextLine();
        System.out.println("Enter the planet: ");
        planet=sc.nextLine();
    }
    public void displayDetails()
    {
        System.out.println("The name is: "+name);
        System.out.println("The age is : "+age);
        System.out.println("The power is: "+power);
        System.out.println("The weapon which you own is: "+weapon);
        System.out.println("The planet is: "+planet);
    }
}
```

OUTPUT:

```

"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaagent:C:\Program Files\JetBr
Enter name:
Captain America
Enter age:
75
Enter the power:
Flight Superhuman Strength
Enter the weapon which you own:
shield
Enter the planet:
Earth
The name is: Captain America
The age is : 75
The power is: Flight Superhuman Strength
The weapon which you own is: shield
The planet is: Earth

Process finished with exit code 0

```

2) Create an int array with 5 values and print only odd values.

CODE:

```

package com.Array1;

import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        int num;
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter number of elements : ");
        num=sc.nextInt();
        int a[]=new int[num];
        System.out.println("Enter all the elements :");
        for(int i=0;i<num;i++)
        {
            a[i]=sc.nextInt();
        }
        System.out.println("Odd Numbers are: ");

        for(int i=0;i<num;i++)
        {
            if(a[i] % 2 !=0)

```

```
        {  
            System.out.println("The odd numbers are :  
                                "+a[i]);  
        } } }
```

OUTPUT:

```
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaage  
Enter number of elements :  
5  
Enter all the elements :  
12  
3  
65  
44  
22  
Odd Numbers are:  
The odd numbers are : 3  
The odd numbers are : 65  
  
Process finished with exit code 0
```

3) Create an int array of size 5, take all the values from the user, add all the values and print the sum.

CODE:

```
package com.Array2;

import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        int num;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter number of elements : ");
        num = sc.nextInt();
        int sum = 0;
        int a[] = new int[num];
        System.out.println("Enter all the elements :");
        for (int i = 0; i < num; i++) {
            a[i] = sc.nextInt();
        }
        for (int numb : a) {
            sum = sum + numb;
        }
        System.out.println("Sum of array elements is : " + sum);
    }

}
```

OUTPUT:

```
"C:\Program Files\Java\jdk-15\bin\java.exe" "-javaag
Enter number of elements :
5
Enter all the elements :
12
45
69
84
54
Sum of array elements is :264
Addition of two numbers:

Process finished with exit code 0
```