**ASSIGNMENT8: ARRAY**

**1 .Write a program to add the elements of the integer array with size 10**

**package** arrays;

**import** java.util.Scanner;

**public** **class** prgm1 {

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

System.***out***.println("enter aray element");

Scanner sc=**new** Scanner(System.***in***);

**int** number[]=**new** **int**[10];

**int** sum=0;

**for**(**int** i=0;i<number.length;i++)

{

number[i]=sc.nextInt();

}

**for**(**int** i=0;i<number.length;i++)

{

sum=sum+number[i];

}

System.***out***.println("sum = "+sum);

}

}

**Output:**

enter aray element

1

2

3

4

5

6

7

8

9

0

sum = 45

**2. Write a program to delete value of array index position 3 and display the remaining values from the array**

**package** arrays;

**public** **class** prgm2 {

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

**int**[]num= {10,20,30,40,50,60,70};

**for**(**int** i=0;i<=6;i++)

{

**if**(num[i]!=num[3])

{

System.***out***.println(num[i]);

}

}

// **TODO** Auto-generated method stub

}

}

**Output:**

10

20

30

50

60

70

**3.Write a program to find the count of even number and odd number from the integer array of size 20**

**package** arrays;

**public** **class** prgm3 {

**public** **static** **void** main(String[] args) {**int** odd=0,even=0;

**int** number[]= {1,2,3,4,5,6,7,8,9,10};

**for**(**int** i=0;i<number.length;i++)

{

**if**(number[i]%2==0)

{

even++;

}

**else** **if**(number[i]%2!=0)

{

odd++;

}

}

// **TODO** Auto-generated method stub

System.***out***.println("even number = "+even+" odd number count = "+odd);

}

}

**Output:** even number = 5 odd number count = 5

**4. Write a program to create char array to store the characters from a to z and display it using enhanced for loop**

**package** arrays;

**public** **class** prgm6 {

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

**char**[]array={'a','b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z'};

**for**(**char** display :array)

{

System.***out***.println(display+" ");

}

}}

**Output:** a b c d e f g h i j k l m n o p q r s t u v w x y z

**5.Write a program to reverse an integer array**

**package** arrays;

**public** **class** prgm7 {

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

// **TODO** Auto-generated method stub

**int** number[]= {1,2,3,4,5,6};

**int** j=number.length-1;

**for**( **int** i=0;i<number.length;i++)

{

System.***out***.print(number[j-i]);

}

}

}

**Output:**

654321

**6. Program to calculate the avg value of array.**

**package** arrays;

**public** **class** prgm8 {

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

**int** sum=0;

**int** number[]= {4,5,6,7,5};

**for**(**int** i=0;i<number.length;i++)

{

sum=sum+number[i];

}

// **TODO** Auto-generated method stub

**float** avg=sum/number.length;

System.***out***.println(avg);

}

}

**Output:** 5.0