Name : Shreyas C Shetty

Email : [shreyas.shetty@sonata-software.com](mailto:shreyas.shetty@sonata-software.com)

Employee ID : 21040

1)

**package** com.sonata;

**public** **class** Assignment\_Question\_1 {

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

**int** num1= 20;

**int** num2=15;

**int** num3=25;

**if**(num1 > num2 && num1 > num3)

{

System.***out***.println("num1 :"+num1+" Is Greatest");

}

**else** **if**(num2 > num1 && num2 > num3)

{

System.***out***.println("num2 :"+num2+" Is Greatest");

}

**else**

{

System.***out***.println("num3 :"+num3+" Is Greatest");

}

}

}

2)

**package** com.sonata;

**public** **class** Assignment\_Question\_2 {

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

**for**(**int** i=1;i<=10;i++)

{

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

}

}

}

3)

**package** com.sonata;

**public** **class** Assignment\_Question\_3 {

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

**int** given\_num = 10;

System.***out***.println("Cube of Given No. is :"+(given\_num\*given\_num\*given\_num));

}

}

4)

**package** com.sonata;

**public** **class** Assignment\_Question\_4 {

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

**int** a[] = {10,20,30,40,50};

**int** sum = 0;

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

{

sum = sum+a[i];

}

System.***out***.println("Sum of array :"+sum);

}

}

5)

**package** com.sonata;

**public** **class** Assignment\_Question\_5 {

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

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

**int** key = 4;

**int** flag=0;

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

{

**if**(key==arr[i])

{

flag=1;

**break**;

}

}

**if**(flag==1)

{

System.***out***.println("Number is Present in the Array");

}

**else** {

System.***out***.println("Number is Not Present in the Array");

}

}

}

6)

**package** com.sonata;

**public** **class** Assignment\_Question\_6 {

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

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

System.***out***.println("Original Array");

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

{

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

}

System.***out***.println("Array after Reversing");

**for**(**int** i=arr.length-1;i>=0;i--)

{

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

}

}

}

7)

**package** com.sonata;

**public** **class** Assignment\_Question\_7 {

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

String str = "pineapple";

**char** c[]=str.toCharArray();

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

{

**if**(c[i]=='a' || c[i]=='e' || c[i]=='i' || c[i]=='o' || c[i]=='u' )

{

c[i]='$';

}

}

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

{

System.***out***.print(c[i]);

}

}

}

8)

**package** com.sonata;

**public** **class** Assignment\_Question\_8 {

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

**int** arr[] = {2,4,1,5,4,1,2};

System.***out***.println("Duplicate Elements :");

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

{

**for**(**int** j=i+1;j<arr.length;j++)

{

**if**(arr[i]==arr[j])

{

System.***out***.println(arr[j]);

}

}

}

}

}

9)

**package** com.sonata;

**public** **class** Assignment\_Question\_9 {

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

**int** arr[] = {2,4,1,5,4,1,2,4};

**int** max = 0;

**int** element = 0;

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

{

**int** counter=1;

**for**(**int** j=i+1;j<arr.length;j++)

{

**if**(arr[i]==arr[j])

{

counter++;

}

}

**if**(max<counter)

{

max=counter;

element=arr[i];

}

}

System.***out***.println("The Max Repeated Number is : "+element);

}

}

10)

**package** com.sonata;

**public** **class** Assignment\_Question\_10 {

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

**int** arr[] = {2,4,1,5,4,1,2,4};

**int** max1 = arr[0];

**int** max2 = arr[1];

**for**(**int** i=2;i<arr.length;i++)

{

**if**(arr[i]>max1)

{

**int** temp = max1;

max1 = arr[i];

max2 = temp;

}

**else** **if**(arr[i]>max2 && arr[i]<=max1)

{

max2 = arr[i];

}

}

System.***out***.println("First Largest No. is : "+max1);

System.***out***.println("Second Largest No. is : "+max2);

}

}