

Assignment Question

Assignment Solution

Q1. Write a program to demonstrate method overloading with 3 different parameters.

Ans.

1. `class` Overloading{
2. `static int` add(`int` a,`int` b){`return` a+b;}
3. `static int` add(`int` a,`int` b,`int` c){`return` a+b+c;}
4. }
5. `class` TestOverloading1{
6. `public static void` main(`String`[] args){
7. System.out.println(Overloading.add(11,11));
8. System.out.println(Overloading.add(11,11,11));
9. }}

Q2. Write a program to create an object of Class which contains a method and call that class method in Main method?

Ans.

1. `class` A
2. {
3. public void display()
4. {
5. System.out.println("hello");
6. }
7. `public static void main`(`String`[] args)
8. { A obj = new A();
9. obj.display();
10. }
11. }

Q3. Write a Java program to calculate the sum of all elements in an integer array?

Ans.

1. `public class` Sum {

```

2.  public static void main(String[] args) {

3.      int [] arr = new int [] {1, 2, 3, 4, 5};
4.      int sum = 0;

5.      for (int i = 0; i < arr.length; i++) {
6.          sum = sum + arr[i];
7.      }
8.      System.out.println("Sum of all the elements of an array: " + sum);
9.  }
10.}

```

Q4. Write a Java program to find the index of a specific element in an integer array?

Ans.

```

1. public class index {
2.
3.     public static int findIndex(int arr[], int t)
4.     {
5.
6.         int index = Arrays.binarySearch(arr, t);
7.         return (index < 0) ? -1 : index;
8.     }
9.
10.    public static void main(String[] args)
11.    {
12.        int[] my_array = { 1, 2, 3, 4, 5, 6, 7 };
13.
14.        System.out.println("Index position of 4 is: "
15.                            + findIndex(my_array, 5));
16.
17.        System.out.println("Index position of 2 is: "
18.                            + findIndex(my_array, 7));
19.    }
20.}

```

Q5. Write a Java program to print an entire array?

Ans.

```
class A
```

```
{
```

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

```
{
```

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

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

```
{
```

```
System.out.println("Array of element" + arr[i]);
```

```
}
```

```
}
```