



CSE 215: Programming Language II Lab

Lab – 5

Methods, Object Introduction

Object Create:

```
ClassName objName=new Class Name();
```

Access Method Using Object:

```
objName.methodName();
```

Method structure:

```
Access_Modifier(Public/private/protected) data_type_Name methodName(par1,par2,par3){  
//Method Body  
}
```

Different types of method declaration:

```
//no return no parameter
```

```
public void Sum(){
```

```
int num1=20,num2=30;
```

```
System.out.println(num1+num2);
```

```
}
```

```
//no return with parameter
```

```
public int Sum(int num1,int num2){
```

```
System.out.println(num1+num2);
```

```
}
```

```
//with return with parameter
```

```
public int Sum(int num1,int num2){
```

```
int sum=num1+num2;
```

```
return sum;
```

```
}
```

```
//with return no parameter
```

```
public int Sum(){
```

```
int num1=20,num2=30;
```

```
int sum=num1+num2;
```

```
return sum;
```

```
}
```

```
//Array in method parameter and return  
  
public int[] Sum(int [] arr1,int[] arr2){  
  
//method body  
  
return arrayName;  
}
```

Tasks:

1. Create a class Named **MathOperations** with methods named **odd,even,max,min**

Methods structure:

public int[] odd(int numbers[]) –It will return a array with odd Numbers.

public void even(int numbers[]) –It will print all even numbers,even Sum,even average.

public int max(int numbers[])–It will return maximum number

public void min(int numbers[])–It will print minimum number

Take ten numbers in main method.Then print specific results using given methods.

2. Create a class Named **Students** with a method **highestScore**.

public void highestScore(String[]name,double[] cgpa,int[] total)

Take ten students name,total marks,cgpa in main method.Then print highest scorer's information using highestScore method.