Q1. Explain User defined Function/Method in java?

Syntax:

public return type methodName(Parameter){

//definition , function body

}

Type1:

Taking Nothing Returning Nothing

Example:

public void add(){

//declare variable

//input

//perform operation

//output

}

Type2:

Taking Something and returning Nothing

Example:

Access Specifier return type methodName(Parameter1, Parameter 2){

//operation

//print result

}

public void add(int a,int b){

int x=a+b;

sop(c);

}

Type 3: **Returning Something and Taking Nothing**

Syntax:

Access Specifier return type methodName(){

```
//input
//operation
//return result
}
```

Type4: Taking Something and Returning Something

Example:

```
Access Specifier return Type MethodName(Parameter){
//perform operation
//return result
}

public int add(int a,int b){
int c;
c=a+b;
return c;
```

```
}
```

//Example: Taking Nothing and Returning Nothing

```java
import java.util.Scanner;

class A1{

    public void add(){
    //step1: Declare Variable
    int a,b,c;
    //step2: Input
    System.out.println("=======> Add
Function is Called<=========");
    Scanner kb=new Scanner(System.in);
    System.out.println("Enter Value of A : ");
    a=kb.nextInt();
    System.out.println("Enter Value of B : ");
    b=kb.nextInt();
```

```java
//Step3: Perform Operation
c=a+b;
//step4: Print Result
System.out.println("Addition : "+c);


}
public static void main(String args[]){
A1 obj=new A1();
//How to access method of class
//objectName.methodName()

obj.add();
obj.add();
obj.add();
obj.add();
obj.add();
```

}

}
_____

Q2. Write a java Program to check given number is even or not using function [Taking Nothing Returning Nothing]?


```java
public void evenOrOdd(){
//input
//operation
//result print
}
```
_____

Q2. Write a java Program to check given number is Prime or not using function(Taking Nothing Returning Nothing)

```java
public void checkPrime(){
//variable
//input
//check
//output
}
```