

# Assignment-

## 2

**create a java program to print your mother and father name, age, salary, phonenumber, address like city state country.**

```
Class Family {  
Public static void main (String args[]){  
System.out.println("Farther Name: Sathyamoorthi");  
System.out.println("Mother Name: santhi");  
System.out.println("age:45");  
System.out.println("age:43");  
System.out.println("Salary: xxx");  
System.out.println("Salary: yyy");  
System.out.println("phone no:1234567890");  
System.out.println("phone no:0987654321");  
System.out.println("Address: zzzz");  
}  
}
```

**2. Write a java program to print the below msg in the given format**

```
Class edubridge {  
Public static void main (String args[]){  
system.out.print(" hello" + "\n" + " welcome to" + "\n" + " edubridge online classes");  
}  
}
```

**3. What is default package in java?**

The default package (which is also known as the no-name package as it doesn't have the name) and **java. lang packages** are by default imported in the java class by the JVM. They contain classes that are fundamental to the design of the Java language. These classes provide basic functions to the java program.

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4. Scanner class is in which package?

Java.util package

5. list the methods of Scanner class?

Method	Description
nextDouble()	Reads a double value from the user
nextFloat()	Reads a float value from the user
nextInt()	Reads an int value from the user
nextLine()	Reads a String value from the user

6. list the types of datatypes with size and give an example of each by doing declaring and initialization the variables?

Data Type	Size	Declaring and initializing
char	1byte (0 to 255)	Charname='sowmi';
Signed char	1byte (-128 to 127)	Unsigned char ch = 'a';
unsigned int	2bytes (0 to 65535)	Unsigned int ch = 20;
Int	2bytes	Int a = 15;
Short int	2bytes	Short a = 20;
Long int	4bytes	long a=10;
Long double	10bytes	long double a= 30;
Double	8bytes	double b=10;
Float	4bytes	float a=10.0f;

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7. Write a program to display the names of your 5 friends.

```
Class Frnds name{  
Public static void main(String args[]){  
    System.out.println("Enter the friends names");  
}  
}
```

8. Write a program to do addition 5 number

```
Import java.util.Scanner;  
  
Public class Addition { public static void main(String[] args) {  
    int a=20,b=60,c=30,d=80,e=90,sum;  
    sum=a+b+c+d+e;  
    System.out.println("Add numbers is =" +sum);  
}  
}
```

9. Write a program to display your father and mother name.

```
import java.util.Scanner;  
  
public class Sample {  
    Public static void main(String[] args) {  
        Scanner name= new Scanner(System.in);  
        System.out.println("Enter Father name");  
        String father=name.nextLine();  
        System.out.println("Enter Mother name");  
        String mother=name.nextLine();  
        System.out.println(" Father name:" +father);  
        System.out.println(" Mother name" +mother);  
    }  
}
```

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```
}
```

```
}
```

10. write a program to display your name in short like  
yourname.fathernamefirstletter.sirnamefirstletter

```
import java.util scanner;  
  
public class name {  
  
    public static void main (string args[] ){  
  
        string myname,fathername,sirname;  
  
        scanner scanner=new scanner (system.in);  
  
        system.out.println("enter your name");  
  
        myname=scanner.nextLine();  
  
        system.out.println("enter father name "); fathername=scanner.nextLine();  
  
        system.out.println("enter sirname");  
  
        sirname=scanner.nextLine();  
  
        system.out.println("myname is:");  
  
        system.out.println("father name is:");  
  
        system.out.println("sir name is:");  
  
    }  
  
}
```

11. Explain the public static void main(String[] args) in detail.

- public---->access modifier entire
- static----->direct access without object
- void--->return to jvm only so i don't want to return anything for jvm
- main---->name of the function
- String[],args----->command line arguments

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12. Write a program to display names of days by using commandLine arguments.

```
import java.io.*;

public class weekdays {

public static void main(string[] args) {

system.out.println("Enter the weekdays");

}}
```

13. What are the rules of naming the java file.

class, and class constants are in mixed case with a lowercase first letter. Internal words start with capital letters. Variable names should not start with underscore \_ or dollar sign \$ characters, even though both are allowed. Variable names should be short yet meaningful.

14. what are the rules of naming the class

**Class names should be nouns, in mixed case with the first letter of each internal word capitalized.** Try to keep your class names simple and descriptive. Use whole words-avoid acronyms and abbreviations.

15. what are the rules for naming the methods

**Methods should be verbs, in mixed case with the first letter lowercase, with the first letter of each internal word capitalized.** Except for variables, all instance, class, and class constants are in mixed case with a lowercase first letter. Internal words start with capital letters.

16. what are the rules for naming variables in java

A variable's name can be any legal identifier — an unlimited-length sequence of Unicode letters and digits, beginning with a letter, the dollar sign " \$ ", or the underscore character " \_ ". The convention, however, is to **always begin your variable names with a letter, not " \$ "or" \_ "**.

17. which is the main entry point of java program

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**The Java main method** is usually the first method you learn about when you start programming in Java because it's the entry point for executing a Java program. The main method can contain code to execute or call other methods, and it can be placed in any class that's part of a program.

18. who is invoking the main method of java.

When **the Java interpreter** executes an application (by being invoked upon the application's controlling class), it starts by calling the class's main method. The main method then calls all the other methods required to run your application.

19. why main has to be static method

Java main() method is always static, **so that compiler can call it without the creation of an object or before the creation of an object of the class**. In any Java program, the main() method is the starting point from where compiler starts program execution. So, the compiler needs to call the main() method.