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

```java
import java.util.Scanner;

class Simple
{
public static void main(String[] a)
{
String mother,father;
String city,state,country;
int motherAge,fatherAge;
double salary;
double phoneNumber;
Scanner scanner=new Scanner(System.in);
System.out.println("Enter mother name:\n");
mother=scanner.nextLine();
System.out.println("Enter father name:\n");
father=scanner.nextLine();
System.out.println("Enter city :\n");
city=scanner.nextLine();
System.out.println("Enter state:\n");
state=scanner.nextLine();
System.out.println("Enter country:\n");
country=scanner.nextLine();
System.out.println("Enter mother age:\n");
motherAge=scanner.nextInt();
System.out.println("Enter father age:\n");
fatherAge=scanner.nextInt();
System.out.println("Enter salary:\n");
salary=scanner.nextDouble();
System.out.println("Enter phonenumber:\n");
phoneNumber=scanner.nextDouble();
```

System.out.println("mother name is "+mother);

System.out.println("father name is "+father);

System.out.println("city is "+city);

System.out.println("state is "+state);

System.out.println("country is "+country);

System.out.println("mother age is "+motherAge);

System.out.println("father age is "+fatherAge);

System.out.println("salary is "+salary);

System.out.println("phonenumber is"+phoneNumber);

}

}

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

hello

welcome   to

edubridge   online   classes

program:

class Hello

{

public static void main(String[] args)

{

System.out.println("\t\t\thello\n");

System.out.println("\t\twelcome\t\t to \n");

System.out.println("edubrige\t\t online \t\t classes\n");

}

}

3.What is default package in java

- Java.lang package is considered as the default package.

4.Scanner class is in which package?

- Scanner class is present in java.util.scanner package.

5.list the methods of Scanner class.

MODIFIER	METHOD

• string	• next()
• int	• nextInt()
• float	• nextFloat()
• char	• next().charAt(0)
• Boolean	• nextBoolean()
• Double	• nextDouble()

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

1. Primitive datatype
- Integer – short-2 bytes, int – 4 bytes.(eg: int a=4)
- Float – 4 bytes.(eg:float b=4.5)
- Double – 8 bytes.
- Character – 2 bytes.(eg: char grade=A)
- Boolean – 1 byte.(eg: boolean flag=true)

2. Derived datatype

- String
- Objects
- Array
- Enum

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

import java.util.Scanner;

class Friends

{

public static void main(String[] args)

{

String a,b,c,d,e;

Scanner scanner=new Scanner(System.in);

System.out.println("Enter the names:\n");

a=scanner.nextLine();

b=scanner.nextLine();

c=scanner.nextLine();

d=scanner.nextLine();

e=scanner.nextLine();

System.out.println("friends names are:\n"+a+"\n"+b+"\n"+c+"\n"+d+"\n"+e+"\n");

```
}

}
```

8.Write a program to do addition 5 number

```java
import java.util.Scanner;

class Add

{

public static void main(String[]args)

{

int l,m,n,o,p,sum;

Scanner sc=new Scanner(System.in);

System.out.println("Enter the numbers:\n");

l=sc.nextInt();

m=sc.nextInt();

n=sc.nextInt();

o=sc.nextInt();

p=sc.nextInt();

sum=l+m+n+o+p;

System.out.println("sum is\t"+sum);

}

}
```

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

```java
import java.util.Scanner;

class Names

{

public static void main(String[]args)

{

String mom,dad;

Scanner sc=new Scanner(System.in);

System.out.println("Enter mother's name:\n");

mom=sc.nextLine();

System.out.println("Enter father's name:\n");
```

```
dad=sc.nextLine();

System.out.println("Names are "+mom+"\t"+dad);

}

}
```

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

```
Import java.util.Scanner;

class Sample

{

public static void main(String[]args)

{

String name;

Scanner sc=new Scanner(System.in);

System.out.println("Enter your name in short:");

name=sc.nextLine();

System.out.println("Name is:\t"+name);

}

}
```

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

- The point from where the program starts its execution or simply the entry point of Java programs is the main() method.
- Here public is the access specifier, static is the keyword, void is the return type, main is the function, String[]args is the array of string type.

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

```
import java.io.*;

import java.lang.*;

class Weeks{


  // Main method

  public static void main(String[] args)

  {
```

```java
    // days of week

    String[] weekdays= { "Monday", "Tuesday", "Wednesday","Thursday",
"Friday","Saturday","sunday" };


    // Iterating 7 times only

    // since there are 7 days

    for (int d = 1; d < 8; d++) {


        // Message printing days in a week

        System.out.println(d + "st weekday - "+ weekdays[d - 1]);

    }

  }

}
```

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

- File name should be same as the class name.
- If there are multiple classes within the file and all the classes have access specifier as default then we can save it by using any of the class same as file name.

14.what are the rules of naming the class

- class name should be named in uppercamel format.
- No space should be given between the words.
- If space is needed between words then underscore(_) and dollar($) symbol should be used between the words.
- Name should be unique.
- Name should not be a keyword.

15.what are the rules for naming the methods

- Method name follows the lowercamel case.
- Method name should be unique.
- No space should be given between words.
- Method name should not be a keyword.

16.what are the rules for naming variables in java

- Variable name follows the lowercamel case.
- Variable name should be unique.
- No space should be given between words.
- Variable name should not be a keyword.

17.which is the main entry point of java program

- public static void main(String[] args) is the main entry point of java program.

18.who is invoking the main method of java

- JVM is invoking the main method of java.

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.