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

 Code:

```
Public Class FamilyInfo
{
        Public static void main(String[] args)
 {

String fatherName="basavaraj";
String motherName="aruna";
Int fatherAge=37;
Int motherAge=32;
double salary=30000.45;
int phoneNumber=9868954543;
String city="chitguppa";
String country="india";
System.out.println("Father:"+fathername);
System.out.println("Mother:"+motherName);
System.out.println("Father Age:"+fatherAge);
System.out.println("mother age:"+motherAge);
System.out.println("salary :"+salary);
System.out.println("phno:"+phoneNumber);
System.out.println("CITY:"+city);
System.out.println("country:"+country);
}
}
```

2.Write a program to print in below format ?

 program:
Public Class Ques2
{

Public static void main(String[] ar)

{

System.out.println(" hello\n"+" welcome   to\n"+" edubrige   online classes ");

}

}

3.what is default package in java?

Ans: Java.lang .

4.Scanner class is in which package ?

Ans: Scanner class is present java.util

package

5.list the methods in Scanner Class

nextInt(), nextBoolean(), nextLine(),

nextDouble(),   nextFloat(),   nextShort(),

nextByte(),   nextLong(),   next().charAt(0)

6.list of datatypes in java?

Ans: 1.Int ->4 bytes

   Int a=7;

 2.char ->2 bytes

char ch='z';

 3.float ->4bytes

   Float   marks=33.9f;

4.double   -> 8   bytes

double total=40.00;

 5.long->8 bytes

   Long telephno=88945256552652L;

6. Short ->2bytes

7. Boolean -> 1 bit

boolean flag=true;

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

program:

```java
public class DisplayNames{
             public static void main(String[] args) {
              String friend1="surekha";
               String friend2="ankita";
                String friend3="akshata";
                 String friend4="deepti";
                 String friend5="sakshi";
 System.out.println("my friends names "\n  " +friend1+ "\n" +friend2+ "\n"
+friend3+"\n"+friend4+"\n"+friend5+"\n");
          }
}
```

8.Write a program to do addition 5 number?

program :

```java
import java.util.Scanner;
public class additon {
        public static void main(String[] args) {
 Scanner input=new Scanner(System.in);
 System.out.println("Enter five numbers:");
 int num1=input.nextInt();
int num2=input.nextInt();
 int num3=input.nextInt();
 int num4=input.nextInt();
int num5=input.nextInt();
 System.out.println("addtion of five number is : "+(num1+num2+num3+num4+num5));
```

}}

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

 Program :

```java
public class details{

        public static void main(String[] args) {

                // TODO Auto-generated method stub

   String myName="apoorva";

   String fatherName="basavaraj";

   String motherName="aruna";

     System.out.println("Name : "+myName+"\n"+"Father Name :"+fatherName+"\n"+"Mother Name
 :"+motherName);

        }

}
```

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

program code:

```java
        public class MyName {

          public static void main(String[] args) {

                // TODO Auto-generated method stub

   String myName="Apoorva";

   String surName="sajjan";

   String fatherName="Basavaraj";

   // to get the first character of a String 'charAt()' is used

   System.out.println("My Name Is : "+myName+"."+fatherName.charAt(0)+"."+surName.charAt(0));

        }

}
```

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

Ans: public -> it is an Access Specifier means can be accessed globally and jvm cannot identify main
method without "public".

  static ->it is a access modifier means when a java program is loaded it create memory space

void -> it is a return type and it returns nothing or any value .

main -> it is a main method or entery method ,without main jvm won't executes java main program.

String[] args-> It is Java command-line arguments and is an array of type java.lang.String class. Here, the   name of the String array is args but it is not fixed and the user can use any name in place of it.

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

public class Main

{

 public static void main(String[] args)

{

 Scanner sc=new Scanner(System.in);

 System.out .println("First day of the week is:"+arg[0]);

 System.out .println("Second day of the week is:"+arg[1]);

System.out .println("Third day of the week is:"+arg[2]);

System.out .println("Fouth day of the week is:"+arg[3]);

 System.out .println("Fifth day of the week is:"+arg[4]);

 System.out .println("Sixtht day of the week is:"+arg[5]);

 System.out .println("Seventh day of the week is:"+arg[6]);

 }

}

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

Ans: Rules for naming a java file:

1. filename should be saved as class name.
2. if there is public class in the file then filename should be same as class name.
3. main method should be present in the class which is public.
4. Outer class can only be public and default.
5. 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 name as filename.

14.what are the rules of naming the class?

Ans: class naming follows upper casing rule.

1. It should be uniqe.

2. Mostly prefer nouns as classnames.

3. Starting letters of words should be Capitals.

4.Should not start with Special symbols and numbers except '_' and '$'.

15.what are the rules for naming the methods?

Ans: Rules for method naming :

1.It should be verbNoun format.

2. method should follow lowercamel case.

3. It must be unique.

4. it should not starts with digits.

16.what are the rules for naming variables in java?

Ans: Rules for naming variables in java:

1.   It should not be a keyword.
2.   It should be unique.
3.   Variable should be lowercamel case.
4.   No space between the words but can use _ and $ signs.

17.which is the main entry point of java program?

Ans: main() is the entry point for every java program, jvm will recogize main() and starts execution.

18.who is invoking the main method of java ?

 Ans: The java compiler or jvm(java virtual machine) will invoke main method of a java program.

19.why main has to be static method?

Ans: The main method is static , so that JVM invoke it without object creation of a class and saves unnecessary wastage of memory which the objects can be used.