Assingment-2

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;

public class Home {
    private void Mother() {
        System.out.println("Jothi");
    }
    private void Father() {
        System.out.println("Deivasegamani");
    }
    private void Age() {
        System.out.println("22");
    }
    private void Salary() {
        System.out.println("50,000");
    }
    private void PhoneNumber() {
        System.out.println("7826905272");
    }
    private void Address() {
        System.out.println("209,uthukottai,Tiruvallur,Tamil
Nadu");
    }
    public static void main(String[] args) {
        Home j = new Home();
        j.Mother();
        j.Father();
        j.Age();
        j.PhoneNumber();
        j.Salary();
        j.Address();
    }

}
```

Output
```
Jothi
Deivasegamani
22
7826905272
50,000
209,uthukottai,Tiruvallur,Tamil Nadu
```

2. Write A Java Program To Print The Below Msg In The Given Format

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Hello

Welcome   To

Edubridge   Online   Classes

```java
public class Edubrigde {

    public static void main(String[] args) {
        System.out.println("hello"+'\n'+ "welcome to"+'\n'+
"edubridge online classes ");

    }

}
```

Output

```
hello
welcome to
edubridge online classes
```

3.What Is Default Package In Java

Import java.lang package internally by default In java there are two packages java.lang package and a no-name package(also called as default package) are imported by default in all the classes in java

4.Scanner Class Is In Which Package?

java.util package ex: import java.util.Scanner//import the scanner class

5.List The Methods Of Scanner Class.

- nextFloat()------return float value
- nextInt()---------return int value
- next()-------return strings
- next().charAt(0)----return character
- nextLine()-----read string value from the user
- nextDouble()----reads a double value
- nextShort()-----reads a short value form the use

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6.List The Types Of Datatypes With Size And Give An Example Of Each By Doing Declaring And Initialization The Variables.

Data	Size	Includes
byte	1 byte	-128 to 127
short	2 bytes	–32768 to 32767
int	4 bytes	2147483648 to 2147483647
long	8 bytes	–9223372036854775808 to 9223372036854775807
float	4 bytes	6 to 7 digit decimals
double	8 bytes	15 decimal digits
boolean	1 bits	true or false
char	2 bytes	single character as ASCILL

Coding:

```java
public class Datatypes {
    public static void main(String[] args) {

    int sid = 13;
    String name ="Dinesh";
    short subjects=5;
    byte pass = 5;
    long marks = 450;
    double percentage = 88.7;
   char grade ='A';
   boolean s = true;
    System.out.println("sno-"+sid+"\nName-"+name+"\nSub-"+subjects+"\nPassed-"+pass);
    System.out.println("Scored-"+marks+"\nPercentage-"+percentage+"\nGrade-"+grade);
      }

}
```

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Output

Sno-13
Name-dinesh
Sub-5
Passed-5
Scored-450
Percentage-88.7
Grade-a

7.Write A Program To Display The Names Of Your 5 Friends.

```java
import java.util.Scanner;

public class Friends {

    public static void main(String[] args) {
    Scanner x=new Scanner(System.in);
    String name="";
    System.out.println("Enter the friends name-");
    String name1 = x.nextLine();
    String name2 = x.nextLine();
    String name3 = x.nextLine();
    String name4 = x.nextLine();
    String name5 = x.nextLine();
    }

}
```

Output

```
Enter the friends name-
dinesh
balaji
barath
harish
lokesh
```

8.Write A Program To Do Addition 5 Number

```java
public class Sum {
    public static void main(String[] args) {
        int a=20,b=40,c=20,d=50,e=80,sum;

        sum=a+b+c+d+e;

        System.out.println("Adding 5 Number is   "+sum);
```

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}

}

Output

Adding 5 Number is   210

9.Write A Program To Display Your Father And Mother Name.

```java
import java.util.Scanner;

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

Output-

```
Enter your father name:
Deivasigamani
Enter your mother name:
jothi
Father name: Deivasigamani
Mother name:jothi
```

10.Write A Program To Display Your Name In Short Like Yourname.Fathernamefirstletter.Sirnamefirstletter

```java
public class Fullname {
    public static void main(String[] args) {

                String myname = "Dinesh";
                String fathername = "Deivasigamani";
                char fatherChar = fathername.charAt(0);
                System.out.println(myname);
                System.out.println("First Character Of Father Name Is : " +
                fatherChar);
                System.out.println(myname+" "+fatherChar);
            }
}
```

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Output-

```
Dinesh
First Character Of Father Name Is : D
Dinesh D
```

11.Explain The Public Static Void Main(String[] Args) In Detail.

The main() method is a special method in Java Programming that serves as the externally exposed entrance point by which a Java program can be run.

To compile a Java program, you doesn't really need a main() method in your program. But, while execution JVM (Java Virtual Machine) searches for the main() method and starts executing from it.

The main() method must be public, it means that you can call this method from outside of the class you are currently in. Since it's static method , there doesn't need to be an instantiation of the class. It must not return any value, and it must accept a String array as a parameter.

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

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.

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- 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