

Assignment No 2

Q1. Create a java program to print your mother and father name, age, salary, phone number, address like city state country.

➤ Program

```
public class FamilyData
{
    public static void main(String args[])
    {
        // TODO Auto-generated method stub
        {
            String fName="Santosh";
            String mName="Kiran";
            int fAge=65;
            int mAge=57;
            double salary=30000;
            String city="Amravati";
            String country="india";
            System.out.println("Father:"+fName);
            System.out.println("Mother:"+mName);
            System.out.println("Father Age:"+fAge);
            System.out.println("mother age:"+mAge);
            System.out.println("salary :"+salary);
            System.out.println("City:"+city);
            System.out.println("country:"+country);
        }
    }
}
```

Q2. Write a program to display your father and mother name.

➤ Program

```
import java.util.Scanner;
public class FamilyName
{
    public static void main(String args[])
    {
        // TODO Auto-generated method stub
        Scanner sc = new Scanner(System.in);
        String fname, mname;
        System.out.println("Father Name");
        fname = sc.next();
        System.out.println("Mother Name");
        mname = sc.next();
        System.out.println("Your Father Name " +fname+ "Your Mother Name" +mname);
    }
}
```

Q3. Write a program to display the names of your 5 friends.

➤ Program –

```
public class FriendsName
{
    public static void main(String args[])
    {
    }
```

```

    {
    // TODO Auto-generated method stub
    {
    String fri1="Atish";
    String fri2="Rushi";
    String fri3="Shubham";
    String fri4="Rutu";
    String fri5="Krishna";
    System.out.println("my friends names\n " +fri1+ "\n" +fri2+ "\n"
    +fri3+"\n"+fri4+"\n"+fri5+"\n");
    }
    }
}

```

Q4. Write a java program to print the below msg in the given format

```

hello

welcome  to

edubridge  online  classes

```

➤ Program

```

public class Pattern
{
public static void main(String[] args)
{
// TODO Auto-generated method stub
System.out.println("\thellow \n\t" + "welcome to \n" +" edubride online classes");
}
}

```

Q5. What is default package in java

➤ java.lang is the default package in java

Q6. Scanner class is in which package?

➤ Scanner class is present java.util package

Q7. list the methods of Scanner class.

➤ nextInt(), nextBoolean(), nextLine(), nextDouble(), nextFloat(), nextShort(), nextByte(), nextLong(), next().charAt(0)

Q8. List the types of datatypes with size and give an example of each by doing declaring and initializing the variables.

- Int ->4 bytes Int a=7;
- char ->2 bytes char ch='z';
- float ->4bytes Float marks=33.9f;
- double -> 8 bytes double total=40.00;
- long->8 bytes Long telephno=88945256552652L;

➤ Boolean -> 1 bit boolean flag=true;

Q9. Write a program to do addition 5 number

```
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("addition of five number is : "+(num1+num2+num3+num4+num5));
    }
}
```

Q10. write a program to display your name in short like your name in short like yourname.fathername first letter.surnamefirstletter

```
➤ public class Naming
{
    public static void main(String[] args)
    {
        // TODO Auto-generated method stub
        String myName='Adarsh';
        String surName="Sharma";
        String fatherName="Santosh";
        System.out.println("My Name Is : 
        "+myName+"."+fatherName.charAt(0)+"."+surName.charAt(0));
    }
}
```

Q11. Explain the public static void main (String [] args) in detail?

- Public :- it is an access specifier means can be accessed globally and jvm cannot identify main method without "public".
- Static :- it is access modifier means when 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 entry method, without main jvm won't execute java main program
- String[] args :- it is java command - line arguments and is an array of type java. Lang string class.
- Here, then name of the string array is args but it is not fixed and the user can use any name in place of it.

Q12. Write a program to display names of days by using command Line arguments?

```
package com.edubridge.assignment2;
public class DaysUsingCmd
{
    public static void main(String[] args)
    {
        // TODO Auto-generated method stub
    }
}
```

```

        System.out.println("First Day :"+args[0]);
        System.out.println("Second Day :"+args[1]);
        System.out.println("Third Day :"+args[2]);
        System.out.println("Fourth Day :"+args[3]);
        System.out.println("Fifth Day :"+args[4]);
        System.out.println("Sixth Day :"+args[5]);
        System.out.println("Seventh Day :"+args[6]);
    } }

```

Q13. What are the rules of naming the java file?

➤ 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?

➤ Class naming follows upper casing rule.

- Should not start with Special symbols and numbers except '_' and '\$'.
- It should be unique.
- Mostly prefer nouns as classnames.
- Starting letters of words should be Capitals.

15. What are the rules for naming the methods?

➤ Rules for method naming :

- It should be verb Noun format.
- Method should follow lowercamel case.
- It must be unique.
- It should not start with digits.

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

➤ Rules for naming variables in java:

- Variable should be Lowercamel case.
- It should be unique.
- It should not be a keyword.
- No space between the words but can use _ and \$ signs.

Q17. Which is the main entry point of java program?

➤ main() is the entry point for every java program, jvm will recognize main() and starts execution.

Q18. Who is invoking the main method of java?

➤ Jvm start main thread to call main method.

Q19. Why main has to be static method?

➤ The main () method is static so that jvm can invoke it without instantiating the class.