**Java Basics**

**1. How to create a class, object, method and its signature**

public class Main {

int a = 10;

}

public class Main {

int a = 10;

public static void main(String[] args) {

Main myObj = new Main();

System.out.println(myObj.x);

}

}

public class Main {

static void myMethod() {

// code to be executed

}

}

**2. Write a program to print your name.**

public class Exercise1 {

public static void main(String[] args) {

System.out.println("Name");

}

}

**3. Write a program for a Single line comment, multi-line and documentation comments**

public class CommentExample1 {

public static void main(String[] args) {

int i=10; // i is a variable with value 10

System.out.println(i); //printing the variable i

}

}

public class CommentExample2 {

public static void main(String[] args) {

/\* Let's declare and

print variable in java. \*/

int i=10;

System.out.println(i);

/\* float j = 5.9;

float k = 4.4;

System.out.println( j + k ); \*/

}

}

/\*\*

\*

\*This is a documentation comment

\*

\*/

**4. Define variables for different Data Types int, Boolean, char, float, double and print on the Console**

class explain{

public static void main(String args[])

{

char a = 'G';

int i = 89;

byte b = 4;

short s = 56;

double d = 4.355453532;

float f = 4.7333434f;

long l = 12121;

System.out.println("char: " + a);

System.out.println("integer: " + i);

System.out.println("byte: " + b);

System.out.println("short: " + s);

System.out.println("float: " + f);

System.out.println("double: " + d);

System.out.println("long: " + l);

}

}

**5. Define the local and Global variables with the same name and print both variables and understand the scope of the variables**

public int add(){

int a =4;

int b=5;

return a+b;

}

//here a and b are local variables

int a =4;

int b=5;

public int add(){

return a+b;

}

//here a and b are global variables

**6. Write a function to print your name and call the function from main method**

public class Main {

static void myMethod() {

System.out.println("NAME");

}

public static void main(String[] args) {

myMethod();

}

}