**Fundamentals of Java**

**Assignments Questions**

**1. What is Programming language?**

Making a set of instructions that instruct a computer how to carry out a task is

the process of programming. There is numerous computer programming

languages available for use in programming.

Category of Programming Languages:

* Machine Level Language
* Assembly language
* High-level languages

**2. Why do we need a programming language?**

* Not just for academics, but for the real world as well, all programming is done.
* Due to programs developed by computer programming, you can conduct

online banking and purchase your ticket while travelling by train or airplane.

It's true that your washing machine has a few different kinds of computer

programs. Programming makes it possible for all of these things and many

more.

**3. What are the features of Java?**

Some of the features of java are:-

* Simple
* Object-oriented
* Portable
* Platform independent
* Robust
* Distributed

**4. What is an Object?**

An object is an entity with state and behavior.

**5. What is a class?**

A class is a collection of objects that have similar traits, behaviors, and attributes.

**6. Explain about the main() method in Java?**

main() method in java is the method from where the code actullay begins to execute

**public static void main(String args[])**

* public:- visibility mode, main function is accessible throughout the program.
* Static:- use to call main method without creating the object of class in which main is declared.
* Void:-it is the return type , type of data method would be returning after execution (in void case, nothing will be returned).
* Main:- it is the name of the function.
* String args[]:- if we pass any data to the main it will be stored in the array variable named as args.