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| S.No | Compiler | Interpreter |
| 1 | It compiles entire machine code and then executes the program | In compiles the code line by line and executes |
| 2 | They are larger in size | Comparatively smaller to compiler |
| 3 | They are faster and debugging is faster | They are slower and debugging is slower |
| 4 | They need more memory | They can be used in less memory storage |
| 5 | Eg: C,C++,Java | Eg: Python, PHP |

1).Difference between compiler and interpreter.

2).Define a class Student with following members Int Roll, String Name, Float marks. input() to take input of the details, display() the details.

import java.util.Scanner;

class Student{

    public static void main(String[] args){

        int a;

        String name;

        float mark1;

        float mark2;

        float mark3;

        Scanner sc = new Scanner(System.in);

        System.out.println("Enter Roll Number:");

        a=sc.nextInt();

        System.out.println("Roll NO:" + a);

        sc.nextLine();

        System.out.println("Enter Name:");

        name=sc.nextLine

        System.out.print("Name:"+name);

        sc.nextLine();

        System.out.println("Enter mark1");

        mark=sc.nextFloat();

        System.out.println("Mark1 :" + mark1);

        sc.nextLine();

        System.out.println("Enter mark2");

        mark=sc.nextFloat();

        System.out.println("Mark 2 :"+mark2);

        sc.nextLine();

        System.out.println("Enter mark3");

        mark=sc.nextFloat();

        System.out.println("Mark 3 :"+mark3);

    }

}