**Day 1 Java**

**Assignment1:**  
  
1. Mention the difference between interpreter and compiler.

| **S.No.** | **Compiler** | **Interpreter** |
| --- | --- | --- |
| 1. | Compiler scans the whole program in one go. | Translates program one statement at a time. |
| 2. | As it scans the code in one go, the errors (if any) are shown at the end together. | Considering it scans code one line at a time, errors are shown line by line. |
| 3. | Main advantage of compilers is it’s execution time. | Due to interpreters being slow in executing the object code, it is preferred less. |
| 4. | It converts the source code into object code. | It does not convert source code into object code instead it scans it line by line |
| 5 | It does not require source code for later execution. | It requires source code for later execution. |
| Eg. | C, C++, C# etc. | Python, Ruby, Perl, SNOBOL, MATLAB, etc. |

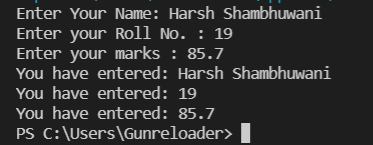
2. Define a class Student with following members

* int roll, String name, and float marks.
* input () to take input of the details
* display () to all details of a student.

Write a program to which will store details of a student and print the details using the above class.

1. **import** java.util.\*;
2. **class** Student
3. **{**
4. **public** **static** **void** main(String[] args)
5. {
6. Scanner sc= **new** Scanner(System.in);
7. System.out.print("Enter Your Name: ");
8. String name= sc.nextLine();
9. System.out.print("Enter your Roll No. : ");
10. int roll\_no= sc.nextInt();
11. System.out.print("Enter your marks : ");
12. float marks= sc.nextFloat();
13. System.out.print("\nYou have entered: " +name);
14. System.out.print("\nYou have entered: " +roll\_no);
15. System.out.print("\nYou have entered: " +marks);
16. }
17. }

**Output:**

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