Assignment for Day 1 Java Programming:

Ans 1:

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| **Interpreter** | **Compiler** |
| Interpreter translates just one statement of the program at a time into machine code. | Compiler scans the entire program and translates the whole of it into machine code at once. |
| An interpreter takes very less time to analyze the source code. However, the overall time to execute the process is much slower. | A compiler takes a lot of time to analyze the source code. However, the overall time taken to execute the process is much faster. |
| An interpreter does not generate an intermediary code. Hence, an interpreter is highly efficient in terms of its memory. | A compiler always generates an intermediary object code. It will need further linking. Hence more memory is needed. |

Ans 2:

public class student

{

int roll;

String name;

float marks;

void input(int r, String n, float m)

{

roll=r;

name=n;

marks=m;

}

void display()

{

System.out.println("Roll No: "+roll+" Name: "+name+" Marks: "+marks);

}

public static void main(String args[])

{

student s1=new student();

student s2=new student();

s1.input(1,"Adarsh",74);

s2.input(2,"Adesh",62);

s1.display();

s2.display();

}

}