**ASSINGMENT**

**(MODULE 4.2)**

Q1.) Write a Program to print “Hello World” using C++.

A1.) #include<iostream>

using namespace std;

int main()

{

string name;

cout<<"Hello World"<<endl;

return 0;

}

Q2.) What is OOP?

A2.) OOP or Object-Oriented Programming is a type of programming that organizes software design and applications around data or objects instead of logic and functions. OOP focuses on the objects that developers want to manipulate rather than functions. Usually, this kind of programming is rather suited to large, complex type of programs. This includes programs for manufacturing and design.

Q3.) What is the difference between OOP and POP?

A3.) The differences between OOP and POP are:

* OOP deals with objects and their properties, while POP deals with programs and functions.
* OOP uses bottom-up approach, while POP uses top-down approach.
* Data can be hidden using encapsulation, while data is not hidden. Data is available to everyone.
* OOP supports code reusability, while no code reusability is provided by POP.