# 2. What is OOP? List OOP concepts

Ans.

* OOP stands for Object Oriented Programming.
* Procedural programming is about writing procedures or functions that perform operations on that data ; while Object oriented programming is about creating objects that contain both data and functions.
* Object Oriented Programming has several advantages over procedural programming :
* OOP is faster and easier to execute.
* OOP provides a clear structure for the programs.
* OOP helps to keep the C++ code **DRY (Don’t Repeat Yourself)** and makes the code easier to maintain, modify and debug.
* OOP makes it possible to create full reusable application with less code and shorter development time.
* OOP (C++) Syntax:

#include<iostream>

using namespace std;

int main(){

………line of code………

}