

(D)

→ OOP (Pillars)

- Encapsulation
- Abstraction
- Inheritance
- Polymorphism

Evolv
action
is
permanent

1) Encapsulation:

class
{

 data members
 method (behaviors)

}

Encapsulation

2) Abstraction:

class car
{

 private:

 string color;
 string model;
 int year;

• hiding certain information
details and showing essential
information to the user

• The abstract
keyword is used for
classes and methods

(2)

we
category

3) Inherit

class
{
}

class
{
}

cl
{

4) Pol

me

→

(2)
we group the inheritance concept into two categories :
Base class (Parent) → ~~base~~
Derived class (Child) → ~~derived~~

3) Inheritance :

class car // Parent
{
}

class Audi : Public car // child
{
}

class BMW : Public car // child
{
}

4) Polymorphism:

As the word suggests, 'Poly', means many and 'morph' point at forms.

→ ex cheez qiski bat sati
many forms here.

makeSound()
class → cow

class → cat

"meow"

(3)

- C# is a programming language developed by Microsoft that runs on the .NET framework.
- C# develops web apps, desktop apps much easier.

- Asp.Net MVC is based on the MVC design pattern that allows you to develop software solutions.
e.g. Facebook etc.

→ Tight coupling:

Asp.Net web forms are tightly coupled.

isme ek web platform is under C# code bh lie, HTML ka code bh lie, database ka bh lie. → isme sab ek lie jaga me hata h.

→ Loose coupling.

Asp.Net MVC is loosely coupled. The logic is separated into 3 parts

→ ye 3in chezo. we divide karta ke
log database, C#, HTML.

Model

- Model
- Data
- DB

View

- En
- Int
- Th

(4)

Model : (Database) he ok.

Model are basically classes in C#.

Data base operation such as fetch data or update data.

View : HTML pages. is called view. ok.

End user ~~use~~ GUI which user can interact with system e.g. HTML, CSS, Bootstrap.

HTML, CSS, Bootstrap jin kam wo hum view me karenge.

Controllers :

Controllers are classes in C#.

Model ka data view me dhikana he use karenge controllers.

Get data from database.

Handles request e.g. HTTP get e.g. HTTP Post.

ye database get karta he as view me display karta he.

