1) Encapsulation :- binding and hiding of state and behaviours by default because they are inseprable in real life.

Ex. Mobile Number.

- battery Level :- int
- phone Number :- string
- Contact List :- String
- model :- string
- storgecapcity : int
- call ();
- message ();
- set Alarm ();
- browse Internet ();

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2) Encapsulation :- binding and hiding of state and ~~ha~~ behavior by default.

because they are inseprable in Reallife.

Ex. ATM Machine

- accountNumber :- int
- pincode : int
- account Balance : double
- location : string
- bankName :- ~~int~~ string

- withdrow ();
- checck balance ();
- deposite ();
- Change Pin ();

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3) Encapsulation :- binding and hiding of state and behaviour by default.
because they are insepreable in Reallife.

Ex. CAR.

- FuelLevel :- double
- enginestatus :- string
- speed : int
- model :- string
- Price :- double
- owner Name :- string

- accelerate ();
- breke ();
- steer ();
- start Engine ();

4) Encapsulation :- binding and hiding of state and behaviors by defout
Because they are Insepreable in Reallife.

Ex. online shopping platform.

- user Name :- string
- user Email :- string
- shiping Address : string
- Paymet Method : string
- cart Items :- string
- orde History :- string.

- Placeorder();
- truckorder ();
- apply upon ();
- Process Payment ();

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5) ~~Email~~ Encapsulation :- binding and hiding of state and behiviour by default.
Because they are inseprable in Reallife.

Ex. Email

- emailID :- string
- Password :- string
- inbox :- string
- drafts :- string
- sentItems :- string []
- contects :- string.

- sendEmail ();
- receiveEmail ();
- deleteEmail ();
- searchEmail ();

6) Encapsulation :- Binding and hiding of state and behaviour by default.
Because they are inseprable in Reallife.

Ex. Smart watch.

- heartRate : int
- steps count : int
- sleepHours : Float
- Model : String
- battery :- int

- trackHealt ();
- Set Reminder ();
- syncphone ();
- MonitorSleep ();

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7) Encapsulation :- binding and hiding of state and behaviours by default.
Because the are inseprable in Reallife.
Ex. Library

- bookList : string []
- MemberList : string
- issueBooks :- string
- FineAcount :- double
- libraryName :- string

- IssueBook ()
- returnBook ()
- searchBook ()
- calculateFine ()

8) Encapsulation :. Binding and hinding of state and behaviours by default.
Because they are insecrable in Reallife.

Ex. Hotel

- guestName :- string
- roomNumber :- int
- checkInDate :- string
- checkoutDate :- string
- paymentStatus :- string
- hotelName :- string

bookRoom ();
CancelRoom ();
updateDetails ();
MakePayment ();

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9) Encapsulation :- binding and hading of state and baheviar by defuault.
Becouse. they are insecreable in Real life.

Ex. Smart Home

- temperature : Flaat
- securtity status :- String
- device list :- string
- energy usage :- Float
- owner Name :- String.

- controll Lighting ();
- adjust Temperture ;
- lockDoors ();
- Moniter security ();

10) Encapsulation :- binding and hading of state and behevior by defuault.
Becouse they are insecreable in real life.

Ex. Bank Account

- account Hodler Name :- String
- account Number : int
- current Balance :- claude
- account type :- String
- contract No. :- int
- Pancard Number :- int
- aadher Number :- int

- deposit ();
- withdrow ();
- check Balance ();
- transfer Money ();

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