Object Oriented Programming

It is an approach or a programming pattern where the program are structured around Object rather than Function and Logic

int main () } Student Student] user defined later type

Class Student ord setage (who string grade;

void set name (string n) {

y

name = n: int main 1) { SI. sedname (" Monij") S1. sefage (24)

Class

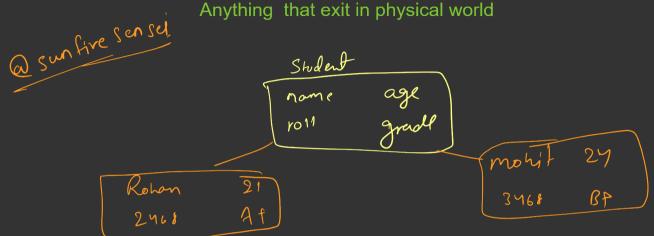
<u>Class</u>

It is user defined data type Blueprint for creating objects

$$[S_I]$$

<u>Object</u>

It is an Entity that has a state and behavior Anything that exit in physical world



username
nameage_
genderpasswordcountryBio =

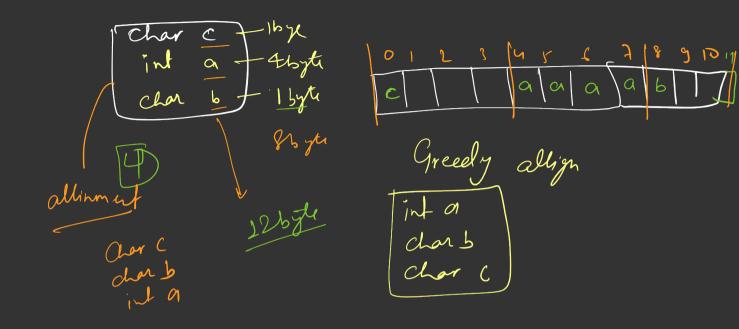
car

rame Tyre Model

Punch, [10], Bolero, GLC 300, X1. X5 Name-punch Tyre-MRFY Model-P

```
Sizer
a obj!;
cont (C size of (obj)
```

Padding b Char C



Static vs Dynamic Memory Allocation