

```
Rules .
   -> Inorder to declare greatage, we can declare it by keyword
         Portestace followed by Interface name
                          interface my Game ? ]
   -) A class does not entends interface, rather it implements to interface
                        interface X &
                           void ally
                        Class Driver implements X &
 -> An interfece always entende anotte interface
               intoface A {
                                      interface B entends A ?
                                     -> All the methods in intutace is abstract & we cannot provide implementation
 (body) fro it
                       yord ac) E × 1/Not allowed
-> When a class implements an instalace, it is compulsory to zere the body
   for the unimplemented methods
                   trace the class as abstract
 I we have to
                                                          abstract clau hounch
                    Class Launch implements A &
                                                              implements A &
                               Void play() {
         void sleep();
                                  8.0.7 ( playing _ ")"
                                void sleep () [
                                   8.0.p ( 8leping - );
```

```
-> We cannot create an object of interface, it throws ever Called
          [ Cornot Instantiate the type X]
-> He can areate a reference of interface
                                                       PHTURE X & 3
                                      CLAN Madules implements Game &
              enterface Game L
                                                                          (A-0
                                            void ac) ?
                                             3.0 P(" Hello")
                                                                         Im Capit
                                                                    C - nwc()
                     class donerch &
                    psv man 1) &
                     Game informe = new Modules ();

3 P
Child

Modules ();
-> A day can implement multiple intufaces (but not moltiple classes)
- I An interface can entend multiple interfaces
                                               intuface y &
                  intere × 2
    23:
                                                 USIZ decpl);
                      101 pl y 17;
                                                                            2-> [11]
                                                       clay Laurch Emplents * >> (
                          interface Z enterds x, y [
                                                                vo, 12 play 1) 1
                                void dance ();
                                                                 ر
ا
                                                                 void steep!) L
                                Vold plays)
                                 wid sleepe)
                                                                 ) word dance () (
   A class can entered another dark of also implements multiple interfaces
   at The same time
                                     Sit class cheld entends parent Implement X, Y1
                 Class Parent [
                                                voil play() {
                                                 void sleep () (
                                                 J
```

```
- the methods present moide The intertace is public & also tract lay
  default (in we declare it | not)
                   Interface X &
                        void play()?
                    public void play () >
                       abstract voil play (); V
                    public abstract roid play () ?
- We can't have there modifiers in The methods of strutule
                       Public obstact voic play();
                                          protected abstract void play() >
                                            public abstract find virt plays) x
                                            provet abstract void play () X
                                            Public abstract static void play () x
-) We can delene a findle inside The intuface by cullymy value to it
                                                         computing
                         Interface X 2
                                                         Shac X ()
                               Port 11 > >
                               int n =10;
 -> The variables inside the interface one public, find & static by default
                                9nt n = 10°
                              steric int = 10;
                               final Port n =10;
                                 public int n =10,
                              static that "it " =10;
                              find public int n = 10
                              public static final ent n = 10;
```