Constructor & Destructor

Q What are count?

- A · Court r a type of function.

 It is called automatically when an obj is created.
 - · Comt do not create obj, rather after Creation of an obj, comt & called.

I what does a const do?

A It can perform any task at the time of objected in

Per eq: - It can be used as an atternation alternature to the set fun. i.e it can assign values to var at time of obj creation.

& Why is count needed?

A To herjam any tank at the time
of objection.

Q What is the benefit of court?

A . It can save effort. For eg. Set fun need not be called separately for anignmy values.

· Comt can to arrign at time of 05 creation

& When is the court called? A when obj is created. It can't be called it any other time except when obj is wested. Quho calls the count? So you need to call it explicitly?

A . User doen't call the count.

It is called auto!

Q How many times can you call a comt for each obj?

A Court can be called only once for an obj.

Est vanil be called multiple times.

A · User need not call the Court: It is colled autoy.

and it to be the first the same of the first the same of the same

i decorate terror

& White some Characteristics of a Quite dijgerences b/w a const & a member fun.

A Comt.

. Must have some names as the

Class

must not have any return type

· Called auto of at |
the time of obj creation

student (int n, Me je jed jed jed 3) je jed

. Can have any name.

Can have void, int, char etc.

· Need to be called explicitly by the object. 06j.

. It is called only can be called any No. of times

veid set (it n, it y, it z 1-1-2 de co 100 1-2 hours de

id. it has been been been been

worked to be worth on to So had got

as the stand of the stand of the stand

Calo tish will also hade

Steps to use a const.

QWAP to the show we of a count
g dest. A (Done later) , was well and . smust the time Stort wester yours plant had a later of the reach of the Egities hallow. المد المدار وا دافي والافاليم ، والدوليلم ما المدد Destructors Quhat is a dest? A. It is a type of fun.

It is called auto's when an obj is dertroyed. forst Dert, do not destroy obj, rather they are called 64 an obj is dertoyed. Quhat does a dest do?

Any task at the time of obj destruction

For eq: It is mostly used to handle file

related related tasks. . It can be used to same any unsawed file opened by the obj Quely r dert needed? A To perform tasks that need to be destruction. Benefit of using a dest?

A It wer forgets to hujorm any tank
that needs to be done by the obj is destroyed, then dest can do it auto y. For eq: . By destruction of Obj, dest. will Check whether user has saved the file or net- If not, then dert will pop up the "same file" option for Q When is a dest called? A Just 64 obj is dertoyed. It can't be called by that. Q when does the 05° gets dertroyed? A when its siape gets over.

eg 1 int main obj 1, obj 2 // created here

3 // Scope over - obj destroyed.

egt int main ()

obi1, obj2

--
g (---)

obj3, obj4

3// Scope for Obj 3, 4 o der - tuo dest will be called.

3/1 Scope for Obj 1, 2, 5 over three dest will be called. Order of dest will be reverse of their creation i-e obj 5 destoyed first, then obj 2, then obj 1.

in the facility of the facility

De who calls the dest? Doest it need to be called explicitly?

A. No. Its Called auto.

Vser can't call dest.

(c)

Q How many times can you call a dert? Onely once. When the obj is destrayed. of How do you call a dest?

He User can't call it. It's called
auto . Q & Char. of dert? P. Same name as clan. Une ~ sign.
ly a student () . No return type. Not even void. · Colled auto . · Called only once ed astudent ()

the transfer to the state of th

in in the second

1 - M 2 - M - - 119 - 2 to 1

2 +4

7)

9

```
Q Steps to une a const & Dert.
  WAP to show me use of a count
     & dert. ?
     Clars student
          pinate:
          int m, m1, m2;
          public:
         veid set (int n, int y, int y);
         1/ You can have both set 4
     11 comt in your program
          void get (17)
          veil add (1)
  [[const [] was student (it n, it y, it 3);
  11 dent 11. a Student (1);
    Void student: set (it u, it y, it z)
          YH= K;
     void studt :: get ()
          Cout << . *n << m/ << m2;
     void studt :: add ()
          Cout << m1 + n2;
```

Said Son Student: student (int n, it 9, it 3) tun // Constitution int etc rm = x; m1= y; mz=1; cout is called"; Studet:: ~ Studet () dert definition cont co" det in called " 50) 1-3-en 1 101 1 1 2 20 1 2 No. 42int main 3 (1) - student obj 1 (1, 10, 20), obj 2 (2,29,30); I when you use const, it is mandatory to pars values when obj & created: 11 0 Frerwise, there will be an error. 11 Here following events occur 1) obj heated 2) Count Called auty. 3)" Comt in Called" printed 4) values are assigned to van; INOW no need to call set fun. _____obj 1. get (); ____obj 1. add ();

o, (,) // i, (1)) 1 is written so
y () If the block inside is
5 Il that run.
if (1) // if (1)) I is written so I that the block inside if I lis always run.
(6) - & Student 05 3 (3) 100 / (7,40,100).
(i) obj3. get (1)
(8) 0bj3.add(1)
9 ob 4. get ();
054 444
(100)
(10b) 1/0bj3 & 4 destroyed here.
(1) - Gtylent Obj 5 (5, 10, 20) / new obj
(12_obj 5-get(1) Created.
(3) 065 - add ()',
(14) 3 / Main ends here.
11 Obj 5 dertoyed.
Obj 2 Mars so we made
and: 1 miles (seeded)
17 0bj 1 77
Output: - Line-1: Court is called
Const is called.
line-2: 1, 10, 20
3.3.
and the state of t
4: 2,20,30
5:50
6: Court is called
Cont is called
7: 3,50,60
8: 110

9: 4,90,100 10**a**:190.

T

106: clert is called dest is called.

11: Count is called

12: 5,10,20

13: 30

14: dent is called dent is called .

Practice Oues:
Q Write differences 1/w Count 5

Dert.