Characteristics of Exception handling

i) for a throw strut, there must be a witch block. W/ matiching data type.

If a catch block w/ match? data type is found then APT will occur appropriate.

APT = abnormal prog ferminater

if (a = = 0)

throw 100;

Cont << a/5;

South (it x)

South << "en handled";

APT will seein beg int ex is thrown (throw 100) but satch black is a chartype.

type.

No matching type is found so APT will some.

multiple eateh blocks then, the first mothing eateh block will be run.

eg try

y(a = = 0)

+mow 100;

Cout ( 'en handled": run

calch(it y)

Cont ("en handled -2"; // This is useless.

// This is never yun.

. So, ideally there shoul be a single

eater black for each of type.

3) There is no implicit type convenion. So ind will not be converted to float. or char etc.

eg ? How 5; // int value is known 3 catch (float 12) // float can't catch int value

catili (Chan x) // Chan can't catch int value.

. 0/1:- APT will occur as no matching eateh of block is found.

ye) what will happen, if there is no calch block after try?

A). Compiler en...
Calch black must be written after

50) what will happen, if is no know start inside try?

A) int main ()

catch (it x)

· The prog will rum.

. No ex will be thrown.

. Gatch block mill never run

26) what will happen if you write a truck start w/o try catch?

A int main()
throw 100;

· The fing will run. There will be no compiler en.

· mow start forcefully throws an ex.

- · But there is no catch black to handle that exc.
- · when an ex is not handled APT will

70) what will happen when no matching catch black is found for an ex?

A). APT If there is no Catch black, then unhandled ex will cause APT.

2) Catch all' block (atch (...)

· A catch all block strut is a catch block with 3 dots/ellipsis block with 3 dots/ellipsis. This catch block can handle, all types of ex.

- thow 100', it will be throw handled ky thm 100.5; int Kalen black. ) Cutch (it 11) //There ? can be handled by Catch ( ... ) Catch (...) "Cutch all" black. [Note]: - Order of "cotch all" blecks is , when using a "catch all" block, it must be placed at last. 0/w it will hamille all the ex. All ex will mow 100; be handled thow (a); by catch all throw 100.5; bog it is catch (...) the Ist Catch black. Catch (it n) penese blacks & now uselen. Cutch ( I that n) {

9) (lan obj san also be thrown. student obj j thow obj; Catch (Stult 05) · A class olig may contain en injo uch is handled by the catch 61 ack. 10) A bare class eather block can eateli ex. of all its derived class · so derived class ment be placed. that will Mow bare-objjcatch all the Dex catch (bare obj-bare); & Mener black Y Catch (d1 obj-d1) never rus. "Cutch (dz 06j-dz)".