Lecture - 12

1909 ramming in C

Low of Control: To control the flow of execution of lines of Gode" Conditional Statement

Control Structure: Selection Structure
Loop structure

Fixual

Seguence Structure:

In this structure the program executes instruction one after other.

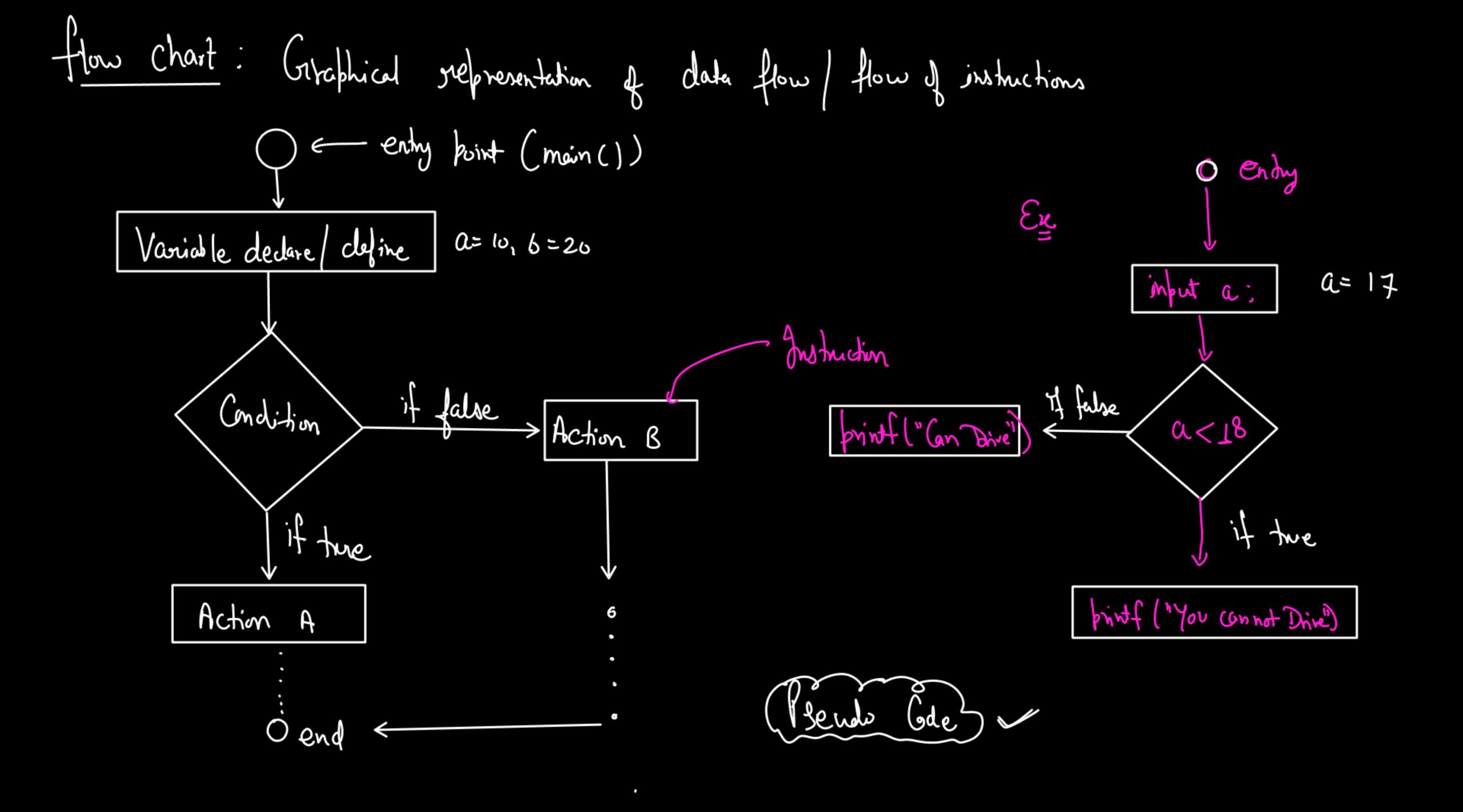
! # include < Stdio. h> 2 vint main () & entry 3 int a, b, c; 

printf ("% d" a+b+c); return 0;

(<u>1</u>) <u>ل</u> Source Gde (Entry) Action 1 Action 2 action 3

Selection Structure: (main()) It stefens to execution of an instruction a < input as per the selected Godition. - A the program always flows to the True State ments. This action beleat the next action two ways of the else statement of Conditional Switch Case statement of Statements on the basis of Condition.

300 structure: entry Loop Structure refer to the execution of an Instruction in a loop until Condition gets false. fals, Condition a while loop (Eit) the 100/ Statement F Action Do while loop for Jook



anditional Statement: if < 31216 else = azm If - Else Statement: Is In this shucture we can check the condition, if the execute the block of it otherwise execute the block of lebse' =) Else is not mendatory/ Compulsory (316) (urly braces is Syntan: format of code for a particular statement. used to défine a if (Condition) of objecting of a block block Block of if Body of if L) a Closing of the block else Eblock of else Body of else

to check that the number is trè av'-ve' Example: Write a program # include < stdio. h> main () { int number; printf ("Enter a number:"); Scanf (" %d", & number); rif (number >0) Init f (" Positive Number "); La print ("Negative Number");

Enter a number: 1-1>0 humber > 07 positive Number Tre

number = Enter a Number: -1 Number > 0 9 Negotive Number.

```
Write a program to Check Whether a number in odd or even?
 # include < Aldio. h>
    man () {
                                                             hum = 4 +
     int num;
                                                           Enter a number: 4)
                                                                                    nom 2 = = 0
     printf("Enter rumber:");
                                                           Even rumber
                                                                                    4 % 2 == 0
     Danf (" %d", & num);
                                                                                     0 = = 0 7
                                                    num = 7 -
    if (num % 2 == 0)
                                                  Enter a number: 7)
     Porint f (" Even Number");
                                                                              nom %2 == 0
                                                  Odd Number
                                                                                7 % 2 == 0
    relse {
         printf ("odd Number");
     return o;
```