## Data input in C language - In C language you can allow the user to input data - Once the user inputs a value through the keyboard it will be stored in a variable - A variable is a temperory memory location, that can be used to store any kind of data.

- In programming before you use the a variable, you must declare them with data types

Ex: int no1, no2, total;

variables

data type

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2 trommo
(a) Write a C program to input two numbers and
  display the total.
                    1 Single Line commond
                       ex: // .... comment
  #include <stdio.h>
  int main ()
                            @ Multi Line comment
  1
       Il variable declaration
       int hol, no2, total
       //user input
       printf ("Enter First Number: ");
       scanf (" 1.d", & no1):
  Scanf (" 7.d", & no2"); he not alliance st
       11 calculate the total 1900 many sat of
       total = (no1 + no2);
       // display the total
       printf ("The Total is %d \n", total);
  Followings are some of the comments med data f
                                int - Interess
Q) Write a program to input birth year and display the
                        115 - float - decimal values
  age.
#include < stdio.h > at spani) zarlay lamisals - Blauols
 int main () 2101-smade to good - amon and
      birints yr, sages each togal of margory & still (2)
         print f (" Enter your birth year");
         scanf (" 7. d", & yr ); < d. offblos shot all
         age = 2018 - yr;
         printf ("Your age is Y.d \n", age);
  3
                " ( " redmild for it sechals"
```

Comments There are two types of comments in C language 1 Single Line comment ex: // .... comment 2) Multi Line comment ex! /\* ... comments bet for for to The comments involved ignored by the compiler, during the compilation time, it is used as a reference to the programmer was a latest soft of the lands Data types In c language we can find different data types. Followings are some of the commonly used data types; 1.d → int - Integers 1. 6 - char - single characters 1.f > float - decimal values double - decimal values (range is higher than float) 1.s char name - group of characters (Q) Write a program to input two decimal values and display the average value, which was the same of the #include <stdio.h > int main { float a, b, avg; printf ("Enter First Number"); scan f ("%, f", &a);

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printf ("Enter Second Number");
  scanf ("7.f", 26);
       avg = (a+b)/2; Jugtio pricellot
       printf ("The Average is 7.2f/n", avg);
                              = Norm BiranyA
Single Character Input and Output (only display one character)
                      : outhor thi
    char ch;
    printf ("Enter a character");
     Scanf ("Y.c", Rich); Solard . I show toda
            · ( " = 4 samer noissimba") Pormas
     print f ("you entered character 1. c", ch);
                  · Comak = strains > > > Ining
                  7 ( sman 7, " s. 1" ) 7 mas 2
String input in Clanguage (displays group of characters)
                       # include estation ho
    char name [30]:
    printf ("Enter your name");
     Scanf ("1.5", & name);
    print f ("Hi, 7.5", name);
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Committee 21 Trans

printf ( " Addmission number = 1.d \n ", admno);

printf ( " Student name = 1.5 \n", name );

printf ("Average = 1.2f \n", avg);

Write a program to input student name, birth year, and adisplay name with agen of mapping a student student name (30]; (1) which has program to int byear, oge;

printf ("Enter Your name: ") is student student scanf ("1.s", finame);

printf ("Enter Birth year: ");

age = 2018 byear; You fare Y.d. years old", name, age);