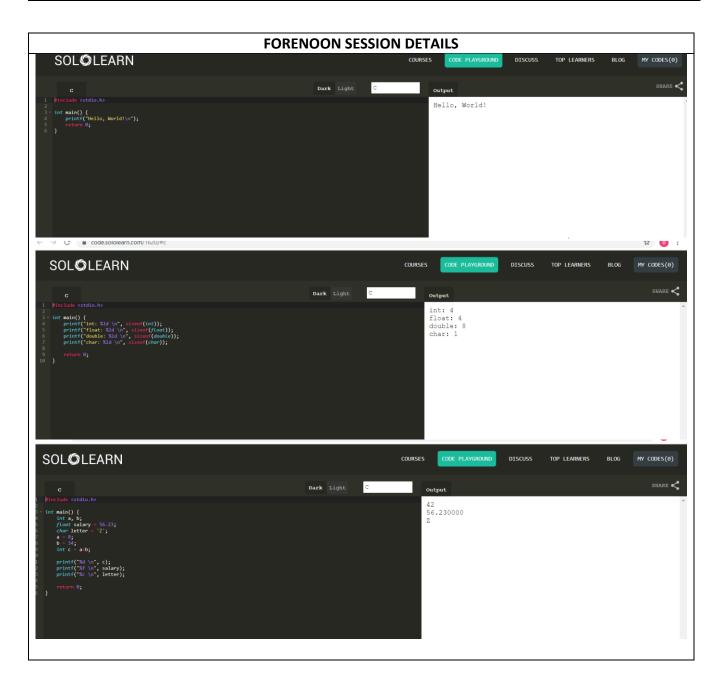
## DAILY ASSESSMENT FORMAT

Date:	18-06-2020	Name:	BINDUSHRI
Course:	C programming	USN:	4AL17EC011
Topic:	Basic concepts Data types		6 <sup>th</sup> A
Github Repository:	Bindushri		



## 18/06/2018 (Programming

Potro

c 9s a general - Purpose programming language that has been arcound neately 50 yrs.

chas been une al for everything from operating . Syssems the complex programs.

9 s an emportana as pect tel the c programming language.

Basic hello world pregram

# Include < stdio. h>

Pat main Of

Pokut ("Herea, woona!\n").

returno;

y

Data types

C Supports the following basic data types;

Pat: Pategir, a welles aumber

Heat: flooring point, a number with a practional

double: double - precision fleating point

chor: Spagle character

```
-# gridudo Zeta Ro. h>
 sur malue)
 of prod ( "90# : 0/0/01/0", 893608 (1/4);
 print ("float: o/od/n", sege (float));
 print (" double: % olod in', 37 zeof (doubles);
 prent (" char; "/00/10", 5931 of (charD;
seturno;
-A varfable les a name for an area in memory
name of cearrable alse called adoutfirer must begin
name of a letter or an understore and can be compared with either a letter or an understore that?
 of letters , dfg? to and undercare char:
 Ox but my rear;
      my_war = 62;
 =tfnclude cstdro.h>
   9nt make () {
     eut a, b; .
    float Balary = 56.07;
     char letter = 2;
     a=8;
     bz 9;
  2+ C= a+b;
     Pring Chopa In", ()
     pronth ("doch n', salary);
     aneturno;
```

```
A constant stores a value that council be changed
Constants
 from ets enthan asseg mous.
#Padudo cotdPoh>
  Patmola Of
    Leonst double Pi = 3.14;
    Print ( (alopet", pi);
    leturno;
 another way defining constand with # define.
   4
 =#Pruvou <stdiv.h>
  #deline Pi 3:14
   Prot magn () {
   prenty (" ) of", Pi);
    returno;
> Input 4 COUTPUT
  c supports a number of ways for taking we
  appet getchares Returns the realise of the next
  single character input.
  #Proclude < Stdio. h >
   Intmala () 2
     Chara= getchar () {;
     Prat ("you entered: 0/0C", D;
    y leturno;
```

```
A sheug as strong on a char amay.
 # Producto < 6+aro.h>
  Protmalu 01
 enar alrood;
   gets (a);
  printy ("you entered : 0/05", a);
   retuno;
- scauf Oscaus aperthat matches formed specifiers.
  Henclude < Stolle. h>
     gat mogn () of.
    enta;
   scarf ("%) ", 6a);
   prof ("you entered : olod", a);
   seturno;
= #9ncoude < stdPa.n>
   got moden() {
  enta,b;
   pronty (" Enter two numbers:");
   Scaub (110/00 opd", 4a,4b);
   Pint (" stad", noumtolod " a+b);
    auturno,
```

```
Output
 Pronto > excerases output
 Putchard authors a strige character.
  #Include cstare.hs
   Int make ()
    char a = getenore);
     Printy (" year ownered:");
     Puchala);
     Seturo;
 A string 98 stored in a char array
 #Proclude custale.ns
  int main of
 char alloal;
  gus (a);
   pronty ( you cutered: ");
   Puts (a);
  Seturno;
 Formerted Papet; no Scarfe function so used to
 a sign griput to cargable A call totage
   Prtx;
   float num;
   char text[20];
  · Scauf ("0/001 0/1 0/08", {x, frum, text);
```

```
comments are expectation enformation that you
comments.
 can inde.
 your code.
co her cuters
Arestomatec aherators
 c supports arth matte operations + (addition)
 - (Subtraction) + (multiplecation), 161848100), and
 e/o (moduous d'éuleston)
# proude LStage.n>
 9nt-malu(){
 ent cength =10;
Rut wordth = 5;
 eut area;
 alea = lougth & bioPath;
great ("olod in", area);
 sourno;
Drulepon
# Ruchedo Loto Ro. h>
Red make O ?
 But 91=10;
 Port 92=3;
 Pod quiotient remalholer,
float f1=4.2;
floort 12= 2.5;
float result;
 quiotient=91/12;
 remainder = 119012;
 recent = 11/12;
y render 0;
```

```
Operator precedence
 Production a numeric expression based on a percent
 Produce.
   Conditionals and lowers
 Or actions de med to proform different computation
 Or actions deponding con weather a condition enalusing
 to true cor false.
 the el statement is called a landiffernal control structure
  parame of oxerner determine when expossion + true
       #Producte Lotoro.n>
         and malue &
         P nt Score=89;
        96 8 core >75)
           Pret ( (" youpawed. In");
         gotuno,
   Rollionas operators:
   < less than, <= less than or equal to, >, >= ,==, !=
  ff-else Statement
   # Procude (State.h)
       Pot main Ol
        Int & (core = 89;
        il (Score >=90)
         Print ("Top 100/00/0. \n");
        else
          prenty ("Leisthau 90.10");
       2 Seturnor
```

Conditional expressions shaggal aperators Lagras operators & & and 11 #9nuado Zstaro.h> cire used to faim a compoun and magnital Bucclean explession that Pat Y; tests multiple roadition Rut X-3; Y= (x>=5) ?5:x; the off operator. 9 (n>0 & 8 n = 100) 9) (x>=5) PRANT (" Range (1-100), In") y=5; else > The 11 operation Y=X1 2) (n == 999 11 (n>0 6 8 n 2+00) noturno; PIPATE ("Input radio". In"); poested & Statemouts -> The ! who rattor Pb (Pro 19+ >1000) 91 (cirents >15) \* hehre lucep bonus = 100; notices (exp) 2 elso State ments bunus = 25; # Pricudo < stapo-h> The swetch statement and make Of the swetch obtatement branches eut (ouut =1', would (could < 8) & Program control by Matching Prent ("court =0/od/n", count the reinet of an expression (aud++; worth a constant one roulus. y seturno: Switch (exp)? case Vall: \* De-ueulo Statemouts ant matical. break; caso vas 2: Put (count = 1; do l point (cout = oladin', cour) Statement break. court++, y whele (court 20); default:

## Break and contemo

if (unw==3)

representations

grest particles for an en tro

grift or the present statement and

Prent ("god n'num);

#Pricude <5t080.h>

Product (5t080.h)

Product (num=5;

Construct;

Prod ("0/00)", num);

Pot 9; Pot max=10; to (1=0; 92 max; 9++)? Polus (#0/0 alln", P); By

Functions in contraction tunctions are undanted and one und the accompletion as a pringramy solution as a series of subtooks but make ()?

But X, South;

X=5;

num--; Resut = bquaro(x);

91 (num==3) print ("olod oquared is

continuo; o/od/n", x, semlt);

print ("olod) n", num); return 0;

## \*for Loop

the for statement 98 a loop
Stoucture that executes
Statements a fixed number

(ab times

Her (Portualus; Contrition; Proceed)

Statements;