## Practice Brograms for 005 lab - Week 1

D Write a menu driven c program to design a simple valutator which solves 10 operations—4 Arithmetic, 4 Relational, and any two of your choice. The program should loop till the user wishes to stop.

#include < stolio. h> # include < math, h > # include < stdlib, h> void main () int a,b,c; float avg; printf ("Enter the first number \n"); scanf (" / d", &b); nshile (1) printf (" In Enter the choice In"); printf ("In 1-Addition In 2-Subtraction In 3- Multiplication \ n 4- Division"); printf ("In 5- Greatest of two numbers In 6- Smallest of two numbers \n 7- The two numbers are equal \n 8 - The two numbers are not equal \n 9 - Remainder \n 10 - Average \n 0 - Jo sciet \n"); scanf ("of.d", &c); switch (c) print ("Sum=-/.d", a+b); print ("Difference = / d", a-b); rase 3: print ("Product = 1/d", a\*b); use 4:
print ("quotient = 1/d", a/b); print ("The greatest number among the two is %d", a); else print ("The greatest number among the two y (axb) print ("The smallest number among the two is 1.d", a): is /·d", a); printy ("The smallest number among the two break; is 1'd", b);

4 (a==b) prints ("True (n."); print ("False \n"); bleak; if (a!=b) prints (" True (n'); printf ("False \n"); prints ("kemainder = 1, d", a 1. b); print ("Average = · 1· f", (a+b)/2.0); case 0; exit (o); (inter sinter); (o) time default: prints ("Invalid input! Please try again later (n"); 2) Write a c program to accept these numbers from the user. First the greater two among the three and pass them as parameters to the user define functions giver below. a) sumaver (...) which finds the sum and average of the two numbers, Print the sum and return the arrage b) printered (...) which prints all the even number between the given two numbers. # include < stdio, hs
float sumsver (int x, int y) return ((2+4)/2.0); void printeren (intx, inty) prints ("All the evennumbers from 1'd to 1'd are (n"x, y, x); for (int i= y; i <= x; i++) ij (i/· 2==0)

print ("·/·d", i);

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int main ()
   int a[3], 91, 92, t;
    print ("Enter the three numbers \n");
    scanf ("./d'/d'/d", sa[0], sa[1], sa[i]);
    for (int i=0; ix3; i++)
     for (int j=i+1;j<3;j+t)
         if (a[i] <a[j])
             t=a[i];
           a[i]=a[j];
           alj]=t;
   g1= a[0];
  92 = a[1];
  float aver = sumarer (g1, g2);
  print ("Avelge: //f/n", over)
 printeren (g1, g2);
  returno;
```