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1BM19CS084

Write a menu driven C-prog. to design a simple cal. which solves to operations :-

Q.1.
```
# include <stdio.h>
float sumaver (int x, int y)
{
  printf ("sum: %d \n", x+y);
  return ((x+y)/2.0);
}
void printeven (int x, int y)
{
  printf (" All the even numbers from %d to
  %. d\n", y, x);
    if (y % 2 != 0)
      y = y+1;
  for (int i = y; i <= x; i += 2)
    printf (" %. d", i);
  }
int main ()
{
  int a[3], g1, g2, t;
  printf (" Enter three nos \n");
  scanf (" %. d %. d", & a[0], &a[1], & a[2]);
  for (int i=0; i<3; i++)
  {
  for (int j = i+1; j<3; j++)
  if (a[i] < a[j])
```

```
{
    t = a[i];
    a[i] = a[j];
    a[j] = t;
  }
 }
}
g1 = a[0];
g2 = a[1];
float aver = sumaver(g1, g2);
printf("Average: %f\n", aver);
  printeven(g1, g2);
  return 0;
 }
```

(A) sumaver(...) (B) Printeven(...)

Q2.

```
# include <stdio.h>
# include <math.h>
int main()
{
 int ch=1,c,d;
 float a,b;
 while (ch!=11)
 {
 printf("\nchoose an operation:\n1.+\n2.-
      \n3.*\n4./\n5.%.\n6.^\n7.==\n8.
      <\n9.>\n10.!=\n11.stop");
      scanf("%d",&ch);
      switch(ch)
    {
     case 1:
     forintf("Enter two number:\n");
      scanf("%d,"& a,&b);
      printf("%f+%f=%f",a,b,a+b);
      break;
    case 2:
      printf("Enter two number:\n");
      scanf("%f %f",&a,&b);
      forint f("%f-%f=%f",a,b,a-b);
      break;
    case 3
      print f("Enter two numbers:\n");
```

③

```
scanf("%f%f", &a, &b);
printf("%f * %f = %f", a, b, a*b);
break;
case 4:
printf("Enter two number:\n");
scanf("%f%f", &a, &b);
printf("%f / %f = %f", a, b, a/b);
break;
Case 5:
printf("Enter two integers:\n");
scanf("%d%d", &c, &d);
printf("%d %% %d = %d", c, d, c%d);
break;
Case 6:
printf("Enter two numbers:\n");
scanf("%f%f", &a, &b);
printf("%f ^ %f = %f", a, b, pow(a,b));
break;
Case 7:
printf("Enter two numbers:\n");
scanf("%f%f", &a, &b);
printf("%f == %f = %d", a, b, a==b);
break;
```

```
case 9;
printf("Enter two numbers: \n");
scanf("%.f %.f", &a, &b);
printf("%.f > %.f = %.d", a, b, a > b);
break;
case 10;
printf("Enter two numbers: \n");
scanf("%.f %.f", &a, &b);
printf("%.f != %.f = %.d", a, b, a != b);
break;
case 11:
return 0;
default:
print f("Invalid Entry");
}
}
return 0;
}
```