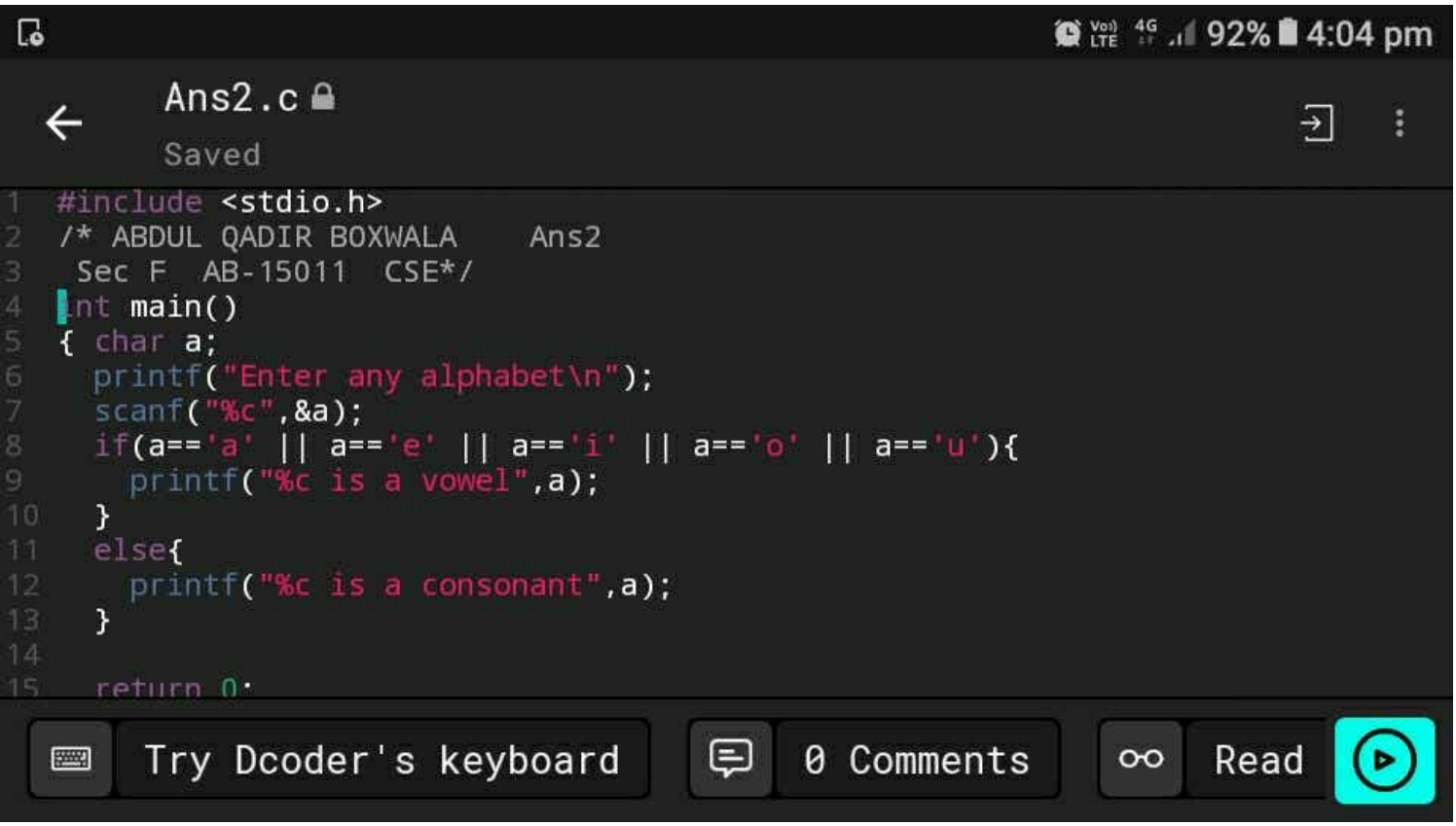
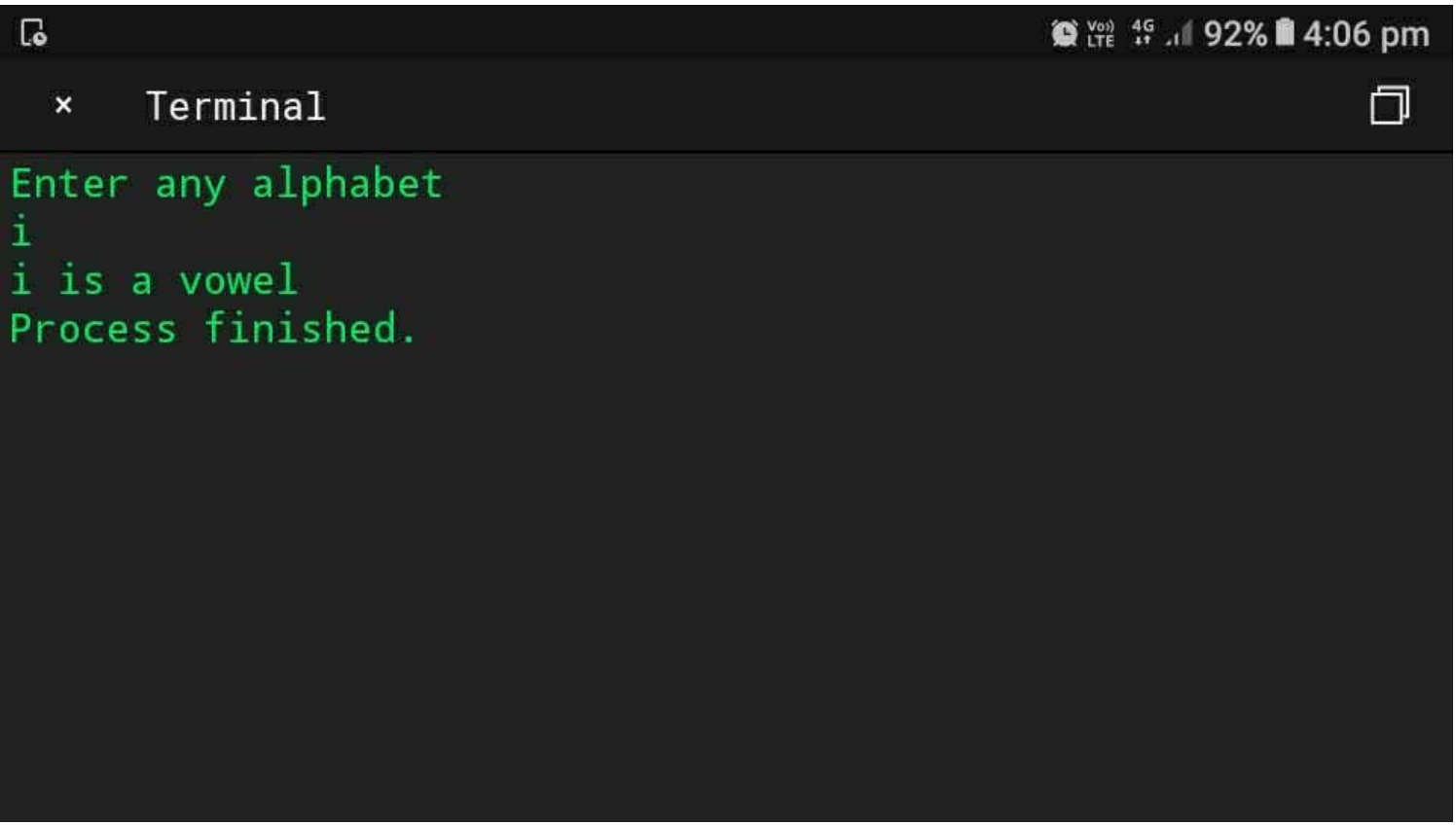
Ans1.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA    Ans1
Sec F   AB-15011  CSE */

int main()
{ int y;
  printf("Enter the year\n");
  scanf("%d",&y);
  if(y%400==0){
    printf("It is leap year");
    //year divisible by 400
  }
  else if(y%100==0){
    printf("It is not leap year");
    //year divisible by 100 but not 400
  }
  else if(y%4==0){
    printf("It is leap year");
    //year divisible by 4 but not 100
  }
  else{
    printf("It is not leap year");
    // all other years
  }
  return 0;
}
```


93% 3:54 pm
Terminal
Enter the year
2020
It is leap year
Process finished.


92% 4:04 pm
Ans2.c
Saved
#include <stdio.h>
/* ABDUL QADIR BOXWALA Ans2
Sec F AB-15011 CSE*/
int main()
{ char a;
printf("Enter any alphabet\n");
scanf("%c",&a);
if(a=='a' || a=='e' || a=='i' || a=='o' || a=='u'){
printf("%c is a vowel",a);
}
else{
printf("%c is a consonant",a);
}
return 0;
Try Dcoder's keyboard
0 Comments
Read


92% 4:06 pm
Terminal
Enter any alphabet
i
i is a vowel
Process finished.

Ans3.c

Saved

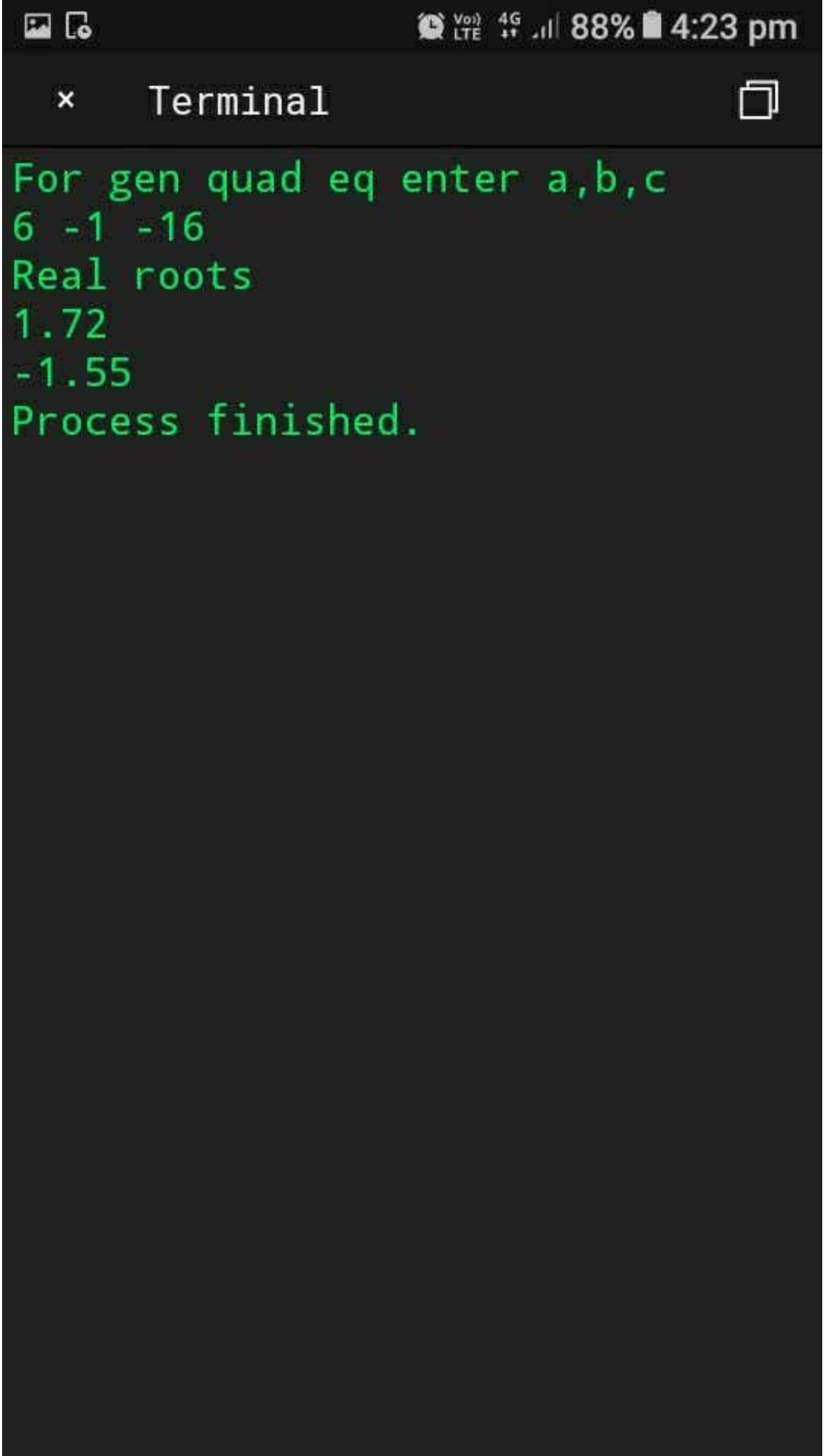
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA    Ans3
 Sec F  AB-15011  CSE*/

int main()
{ int a,b,c;
  printf("Enter the 3 sides of triangle\n"
  scanf("%d %d %d",&a,&b,&c);
  if(a==b && b==c && c==a){
    printf("Equilateral Triangle");
  }
  else if(a!=b && b!=c && c!=a){
    printf("Scalene Tiangle");
  }
  else{
    printf("Isosceles Triangle");
  }
  return 0;
}
```


89% 4:18 pm
Terminal
Enter the 3 sides of triangle
5 5 7
Isosceles Triangle
Process finished.

Ans4.c

Saved

```c

int main()
{
  double a,b,c,d,r1,r2,x,y;
  printf("For gen quad eq enter a,b,c\n");
  scanf("%lf %lf %lf",&a,&b,&c);
  d=(b*b)-(4*a*c);
  if(d==0){
    printf("r1=r2=%.2lf\n",-b/(2*a));
  }
  else if(d>0){
    printf("Real roots\n");
    r1= -b/(2*a) + sqrt(d)/(2*a);
    r2= -b/(2*a) - sqrt(d)/(2*a);
    printf("%.2lf\n%.2lf",r1,r2);
  }
  else{
    printf("Imaginary roots\n");
    x= -b/(2*a);
    y= sqrt(-d)/(2*a);
    printf("%.2lf+(-)i%.2lf\n",x,y);
  }
  return 0;
}
```


88% 4:23 pm
Terminal
For gen quad eq enter a,b,c
6 -1 -16
Real roots
1.72
-1.55
Process finished.

Ans5.c

Saved

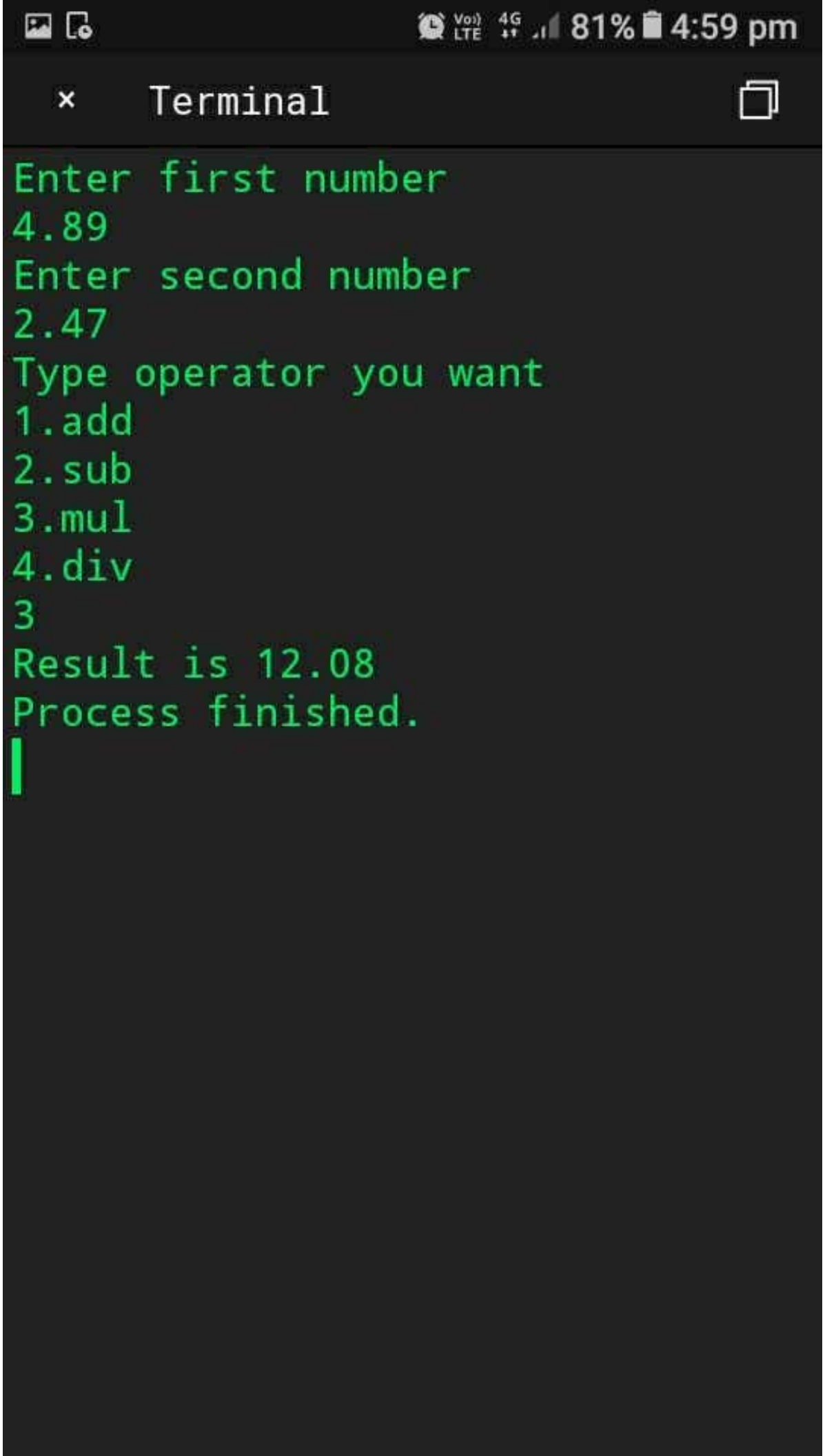
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA    Ans5
 Sec F  AB-15011  CSE*/
int main()
{ float bs,hra,da,gs;
  printf("Enter the basic salary\n");
  scanf("%f",&bs);
  if(bs<=10000){
    hra=bs*0.20; da=bs*0.80;
  }
  else if(bs<=20000){
    hra=bs*0.25; da=bs*0.90;
  }
  else{
    hra=bs*0.30; da=bs*0.95;
  }
  gs=bs+hra+da;
  printf("Gross salary is %.2f",gs);
  return 0;
}
```

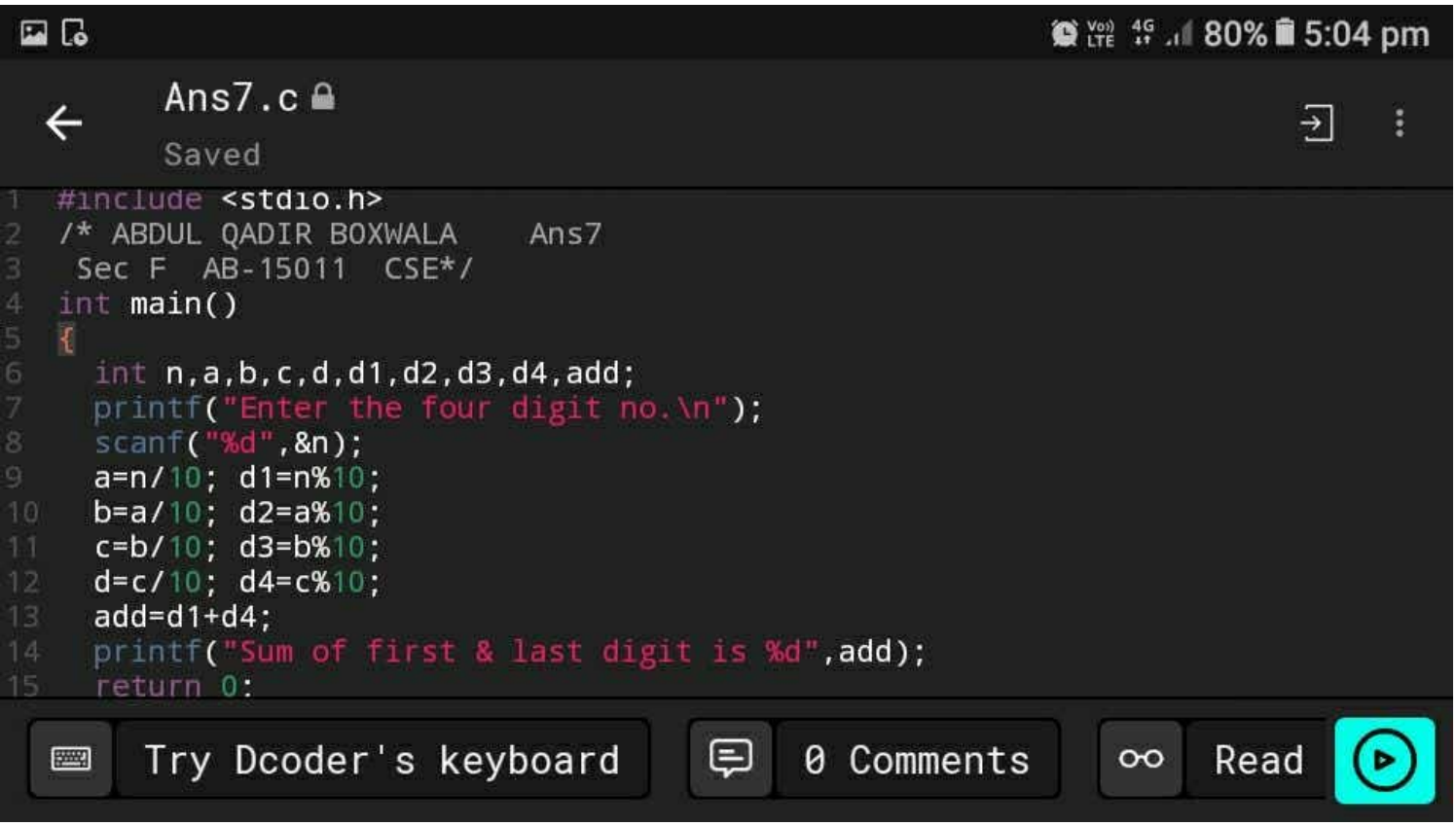

86% 4:35 pm
Terminal
Enter the basic salary
15000
Gross salary is 32250.00
Process finished.

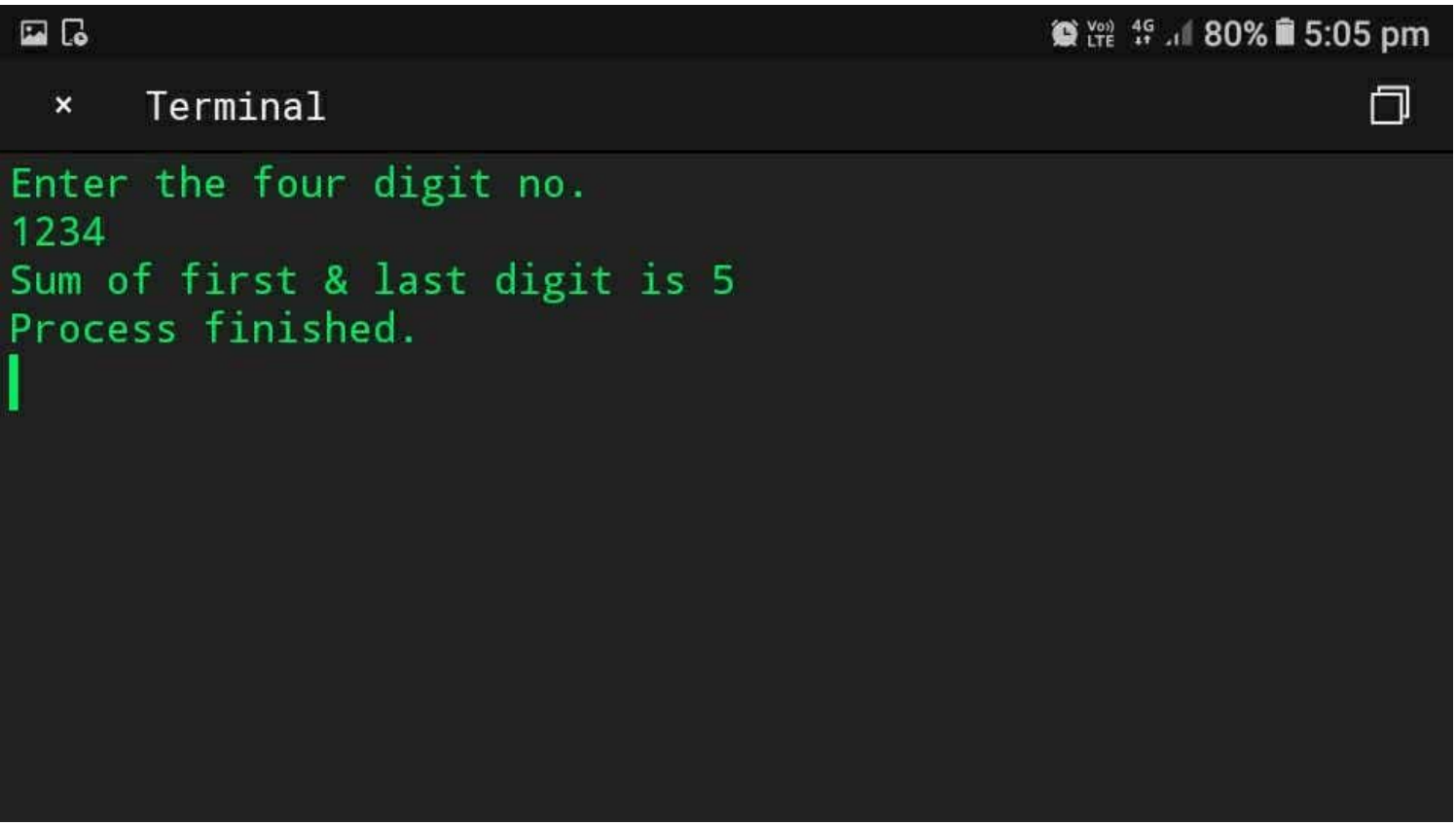
Ans6.c

Saved

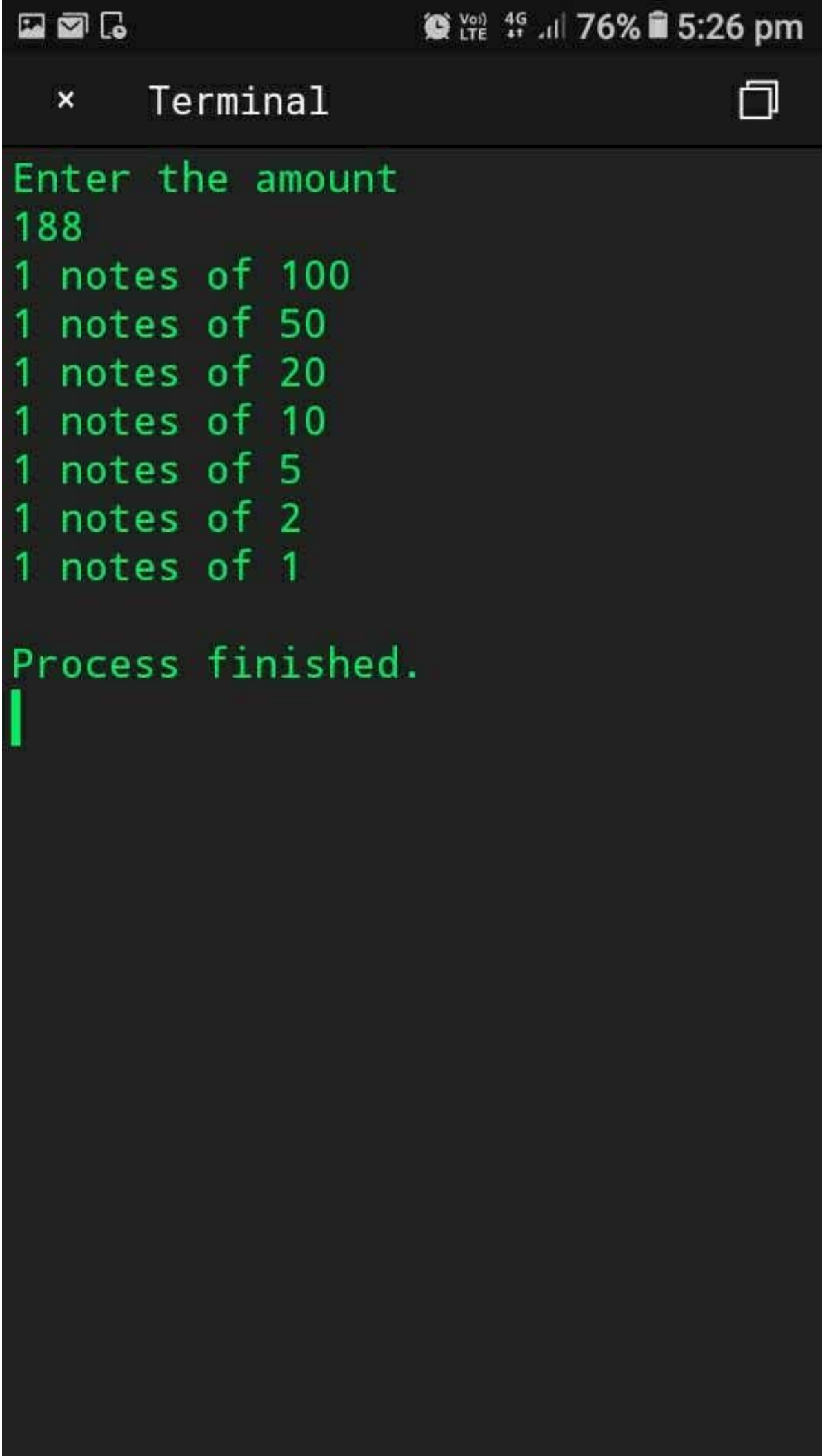
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA    Ans6
 Sec F  AB-15011  CSE*/

int main()
{ float a,b;
  int o;
  printf("Enter first number\n");
  scanf("%f",&a);
  printf("Enter second number\n");
  scanf("%f",&b);
  printf("Type operator you want\n");
  printf("1.add\n2.sub\n3.mul\n4.div\n");
  scanf("%d",&o);
  switch(o){
    case 1:
      printf("Result is %.2f",a+b);
      break;
    case 2:
      printf("Result is %.2f",a-b);
      break;
    case 3:
      printf("Result is %.2f",a*b);
      break;
    case 4:
      printf("Result is %.2f",a/b);
      break;
    default:
      printf("Wrong input");
  }
  return 0;
}
```


81% 4:59 pm
Terminal
Enter first number
4.89
Enter second number
2.47
Type operator you want
1.add
2.sub
3.mul
4.div
3
Result is 12.08
Process finished.


80% 5:04 pm
Ans7.c
Saved
#include <stdio.h>
/* ABDUL QADIR BOXWALA Ans7
Sec F AB-15011 CSE*/
int main()
{
int n,a,b,c,d,d1,d2,d3,d4,add;
printf("Enter the four digit no.\n");
scanf("%d",&n);
a=n/10; d1=n%10;
b=a/10; d2=a%10;
c=b/10; d3=b%10;
d=c/10; d4=c%10;
add=d1+d4;
printf("Sum of first & last digit is %d",add);
return 0;
Try Dcoder's keyboard
0 Comments
Read


80% 5:05 pm
Terminal
Enter the four digit no.
1234
Sum of first & last digit is 5
Process finished.

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA    Ans8
 Sec F  AB-15011  CSE*/
int main()
{ int x,a,b,c,d,e,f,g;
  printf("Enter the amount\n");
  scanf("%d",&x);
  a=x/100;
  printf("%d notes of 100\n",a);
  b=(x%100)/50;
  printf("%d notes of 50\n",b);
  c=((x%100)%50)/20;
  printf("%d notes of 20\n",c);
  d=(((x%100)%50)%20)/10;
  printf("%d notes of 10\n",d);
  e=((((x%100)%50)%20)%10)/5;
  printf("%d notes of 5\n",e);
  f=(((((x%100)%50)%20)%10)%5)/2;
  printf("%d notes of 2\n",f);
  g=((((((x%100)%50)%20)%10)%5)%2)/1;
  printf("%d notes of 1\n",g);
  return 0;
}
```


76% 5:26 pm
Terminal
Enter the amount
188
1 notes of 100
1 notes of 50
1 notes of 20
1 notes of 10
1 notes of 5
1 notes of 2
1 notes of 1
Process finished.