ans1.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans1 */
int main()
{
  int i,sum=0,n;
  printf("enter max value n\n");
  scanf("%d",&n);

  for(i=2;i<=n;i+=2){
    sum+=i;
  }
  printf("sum of even is no.s is %d",sum);

  return 0;
}
```


21% 8:12 pm
Terminal
enter max value n
20
sum of even is no.s is 110
Process finished.

ans2.c

Saved

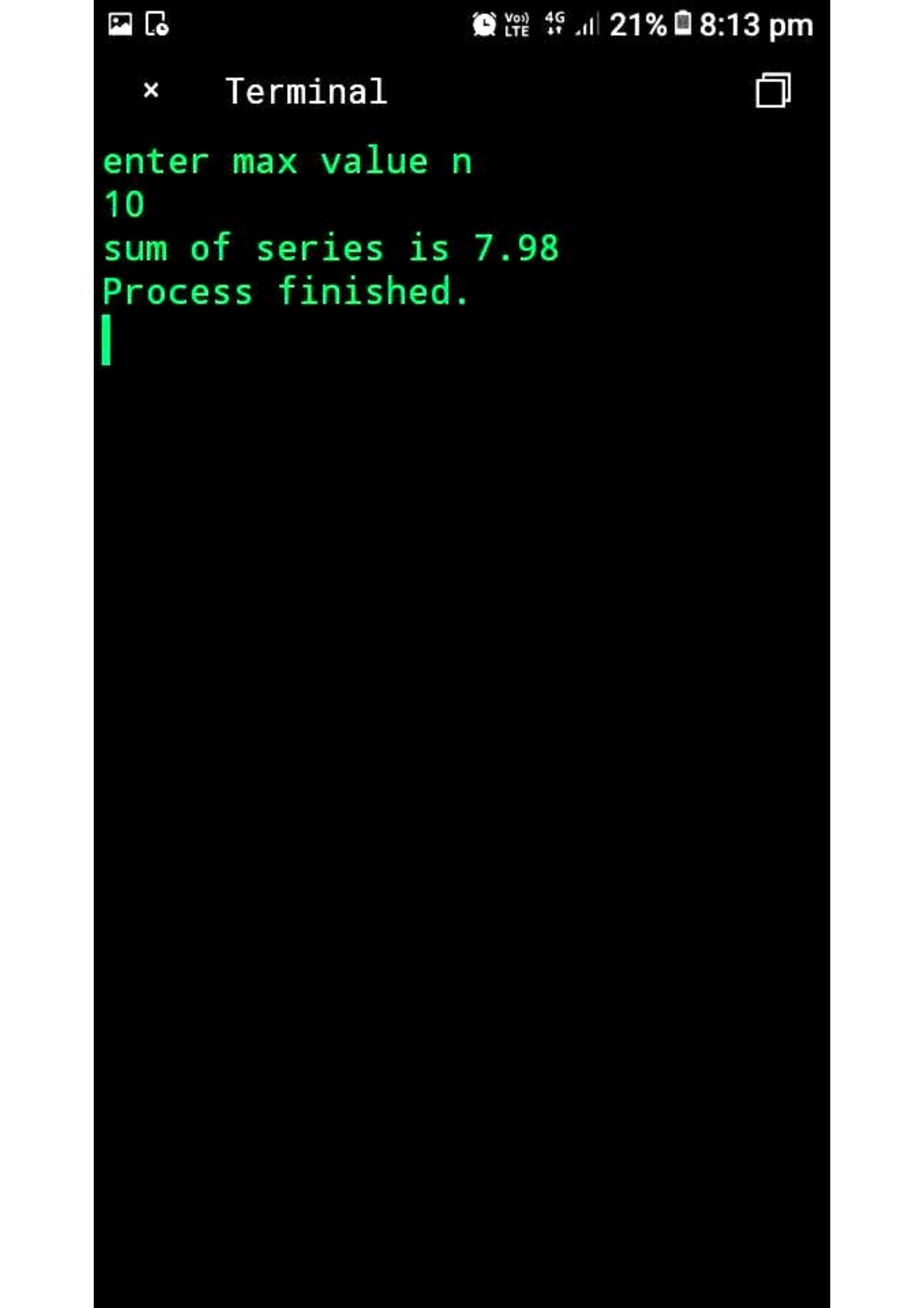
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans2 */
int main()
{
  int i,n,a=0,b=1,c;
  printf("enter no. of terms\n");
  scanf("%d",&n);

  for(i=1;i<=n;i++){
    printf("%d\t\t",a);
    c=a+b; //Fibonacci series
    a=b;
    b=c;
  }

  return 0;
}
```


21% 8:12 pm
Terminal
enter no. of terms
10
0 1 1 2 3 5 8 13 21 34
Process finished.

ans3.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans3 */
int main()
{
  int n;
  float i,sum=0;
  printf("enter max value n\n");
  scanf("%d",&n);

  for(i=1;i<=n;i++){
    sum+=i/(i+1);
  }
  printf("sum of series is %.2f",sum);

  return 0;
}
```


21% 8:13 pm
Terminal
enter max value n
10
sum of series is 7.98
Process finished.

ans4.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans4 */
int main()
{
  int n,k,r1,r2,d;
  printf("enter the no.\n");
  scanf("%d",&n);

  for(k=2;k<n;k++){
    r1=1,r2=1;
    for(d=2;d<=(n-k)/2;d++){
      r1=(n-k)%d;
      if(r1==0)
      break;
    }
    for(d=2;d<=k/2;d++){
      r2=k%d;
      if(r2==0)
      break;
    }
    if(r1!=0 && r2!=0)
    printf("%d=%d+%d\n",n,n-k,k);
  }

  return 0;
}
```


21% 8:13 pm
Terminal
enter the no.
34
34=31+3
34=29+5
34=23+11
34=17+17
34=11+23
34=5+29
34=3+31
Process finished.

ans5.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans5(i) */
int main()
{
  int dec,bin=0,i,r;
  printf("enter decimal no.\n");
  scanf("%d",&dec);

  for(i=1;dec!=0;i*=10){
    r=dec%2;
    dec/=2;
    bin+=r*i;
  }
  printf("binary %d\n",bin);

  return 0;
}
```


21% 8:14 pm
Terminal
enter decimal no.
100
binary 1100100
Process finished.

ans5(2).c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans5(ii) */
int main()
{
  int dec,oct=0,i,r;
  printf("enter decimal no.\n");
  scanf("%d",&dec);

  for(i=1;dec!=0;i*=10){
    r=dec%8;
    dec/=8;
    oct+=r*i;
  }
  printf("octal %d\n",oct);

  return 0;
}
```


21% 8:14 pm
Terminal
enter decimal no.
100
octal 144
Process finished.

ans6.c

Saved

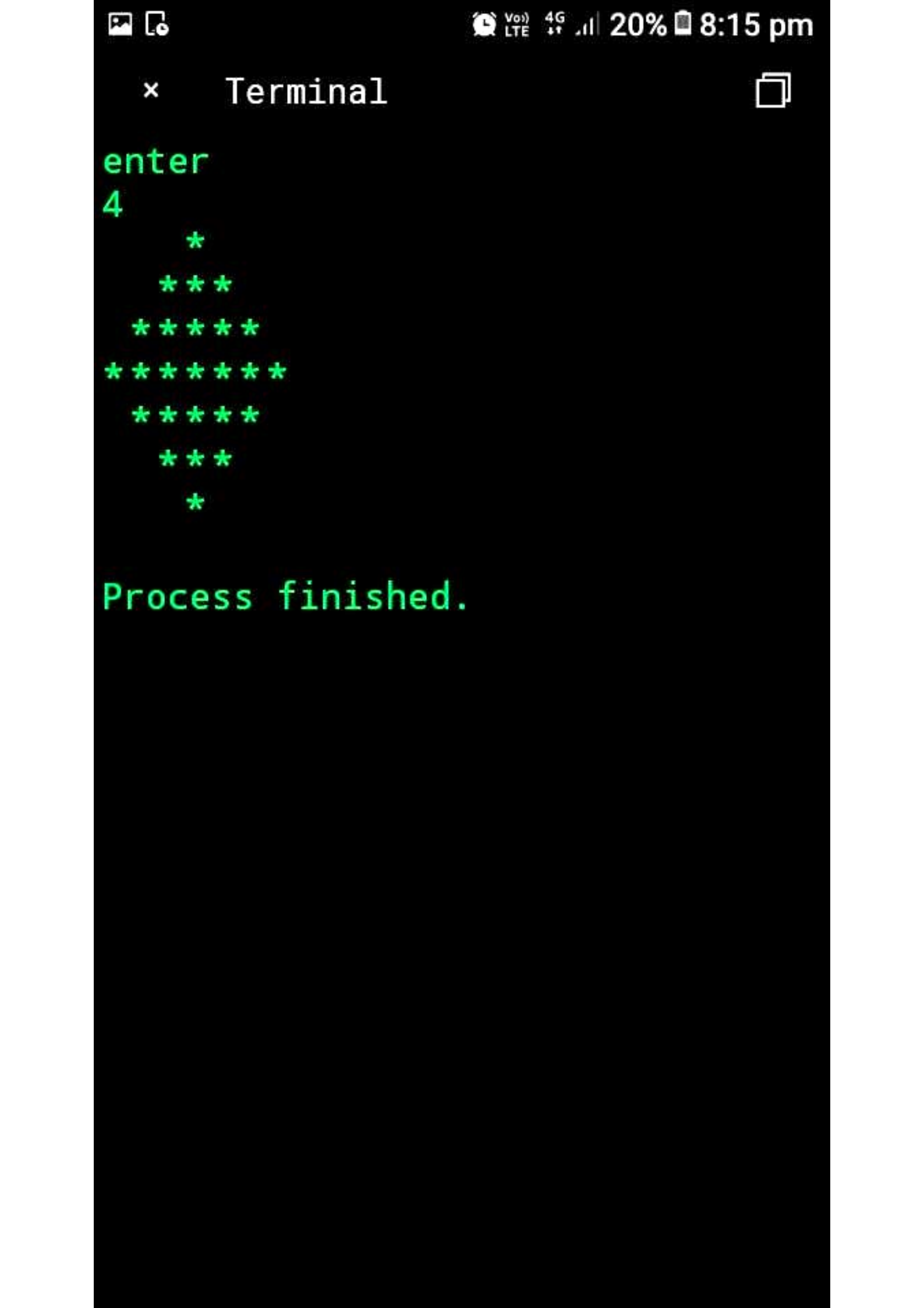
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans6 */
int main(){
  int r,c,n;
  printf("enter max no.\n");
  scanf("%d",&n);

  for(r=1;r<=n;r++){
    for(c=1;c<=r;c++){
      //for row + column no. even 1 nor 0
      if((r+c)%2 == 0){
        printf("1\t");
        if(c==r)
        printf("\n");
      }
      if((r+c)%2 != 0)
      printf("0\t");

    }
  }
  return 0;
}
```


25% 5:45 pm
Terminal
enter max no.
5
1
01
101
0101
10101
Process finished.

ans7.c

Saved

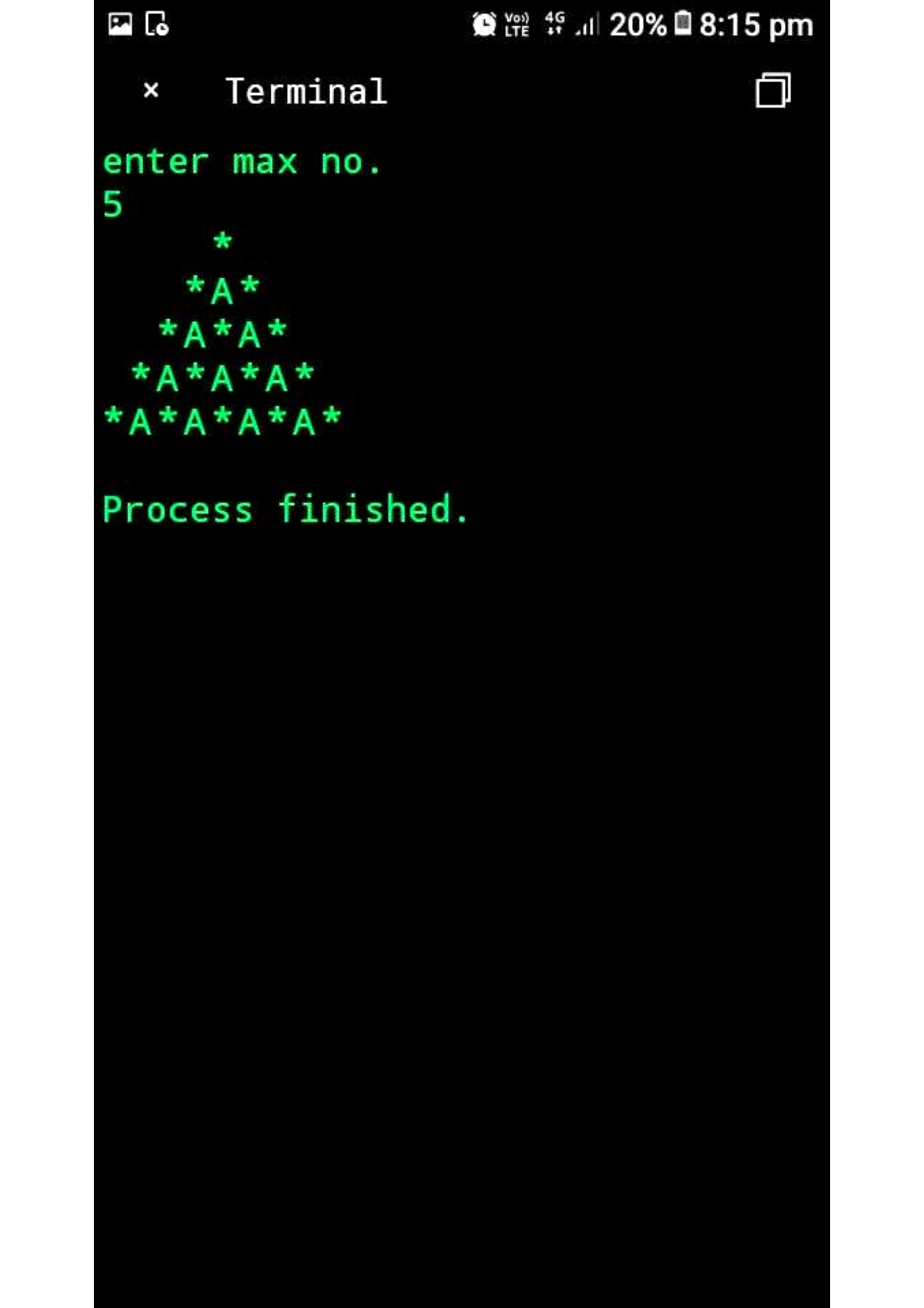
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans7 */
int main()
{
  int i,j,k,m,n;
  printf("enter\n");
  scanf("%d",&n);
  //pyramid
  m=n;
  for(i=1;i<=n;i++){
    for(j=1;j<=m-1;j++){
      printf("\t");
    }
    for(k=1;k<=(2*i)-1;k++){
      printf("*\t");
    }
    printf("\n");
    m--;
  }
  //inverted pyramid
  m=1;
  for(i=n-1;i>=1;i--){
    for(j=1;j<=m;j++){
      printf("\t");
    }
    for(k=1;k<=(2*i)-1;k++){
      printf("*\t");
    }
    printf("\n");
    m++;
  }
  return 0;
```


20% 8:15 pm
Terminal
enter
4
*
***
*****
****
*****
***
*
Process finished.

ans7(2).c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans7(ii) */
int main()
{
  int i,j,k,m,n;
  printf("enter max no.\n");
  scanf("%d",&n);
  m=n;
  for(i=1;i<=n;i++){
    for(j=1;j<=m-1;j++){
      printf("\t");
    }
    for(k=1;k<=2*i-1;k++){
      if(k%2==0)
        printf("A\t");
      else
        printf("*\t");
    }
    printf("\n");
    m--;
  }
  return 0;
}
```


20% 8:15 pm
Terminal
enter max no.
5
*
A
*A*A*
*A*A*A*
*A*A*A*A*
Process finished.

ans7(3).c

Saved

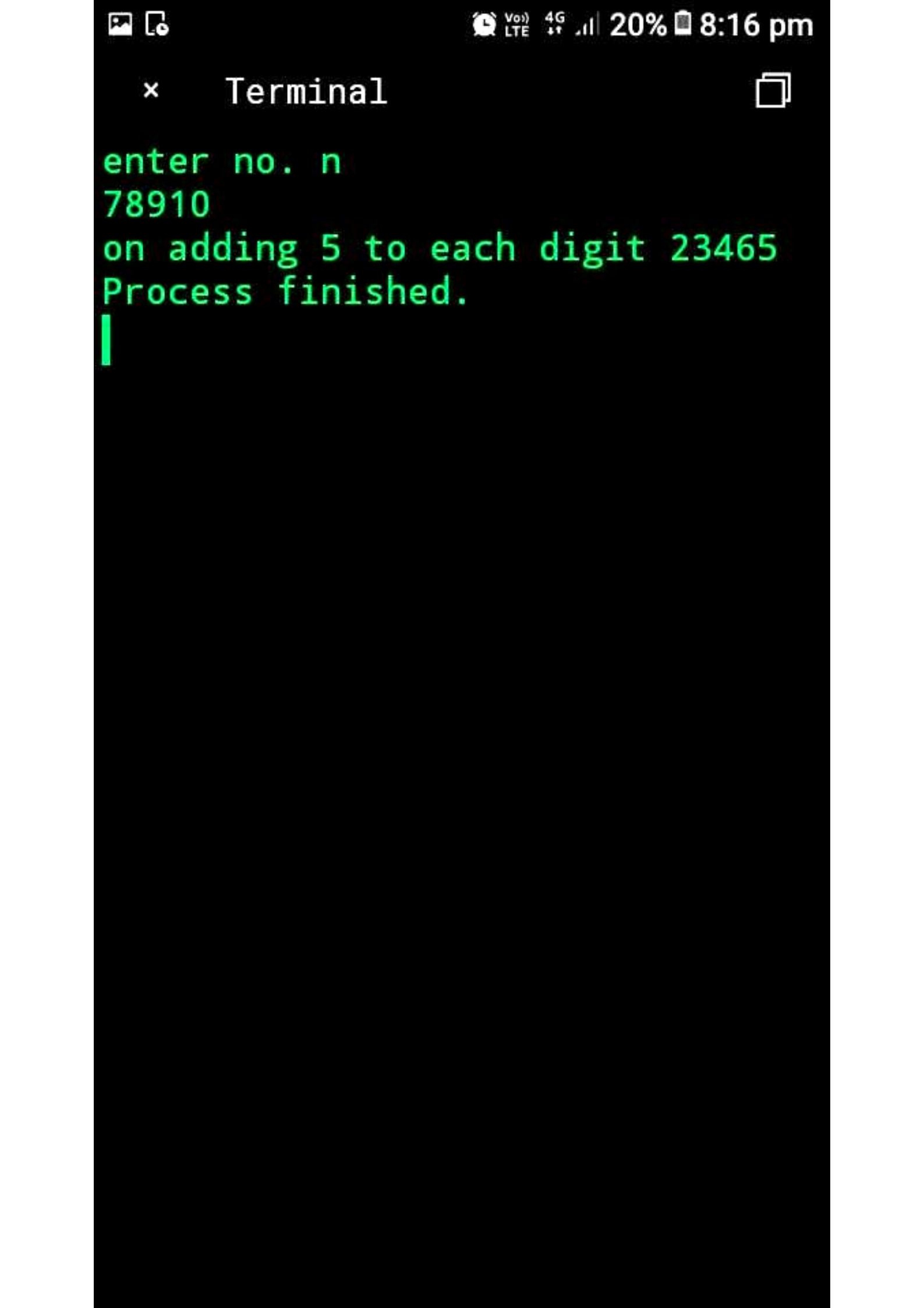
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans7(iii) */
int main()
{
  int i,j,x,n;
  printf("enter a no.\n");
  scanf("%d",&n);

  for(i=1;i<=n;i++){
    for(j=1;j<=n;j++){
      x=n/2+1;
      if(i==1 || i==n || i==x)
        printf("*\t");
      else if(j==1 && i<x)
        printf("*\t");
      else if(j==n && i>x)
        printf("*\t");
      else
        printf("\t");
    }
    printf("\n");
  }
  return 0;
}
```


20% 8:16 pm
Terminal
enter a no.
5
*****
*
*****
*
*****
Process finished.

ans8.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans8 */
int main()
{
  int i,d,n,x=0;
  printf("enter no. n\n");
  scanf("%d",&n);
  for(i=1;n!=0;i*=10){
    d=(n%10)+5;
    n/=10;
    if(d>=10)
      d=(d%10);
    x+=d*i;
  }
  printf("on adding 5 to each digit %d",x);
  return 0;
}
```


20% 8:16 pm
Terminal
enter no. n
78910
on adding 5 to each digit 23465
Process finished.

ans9.c

Saved

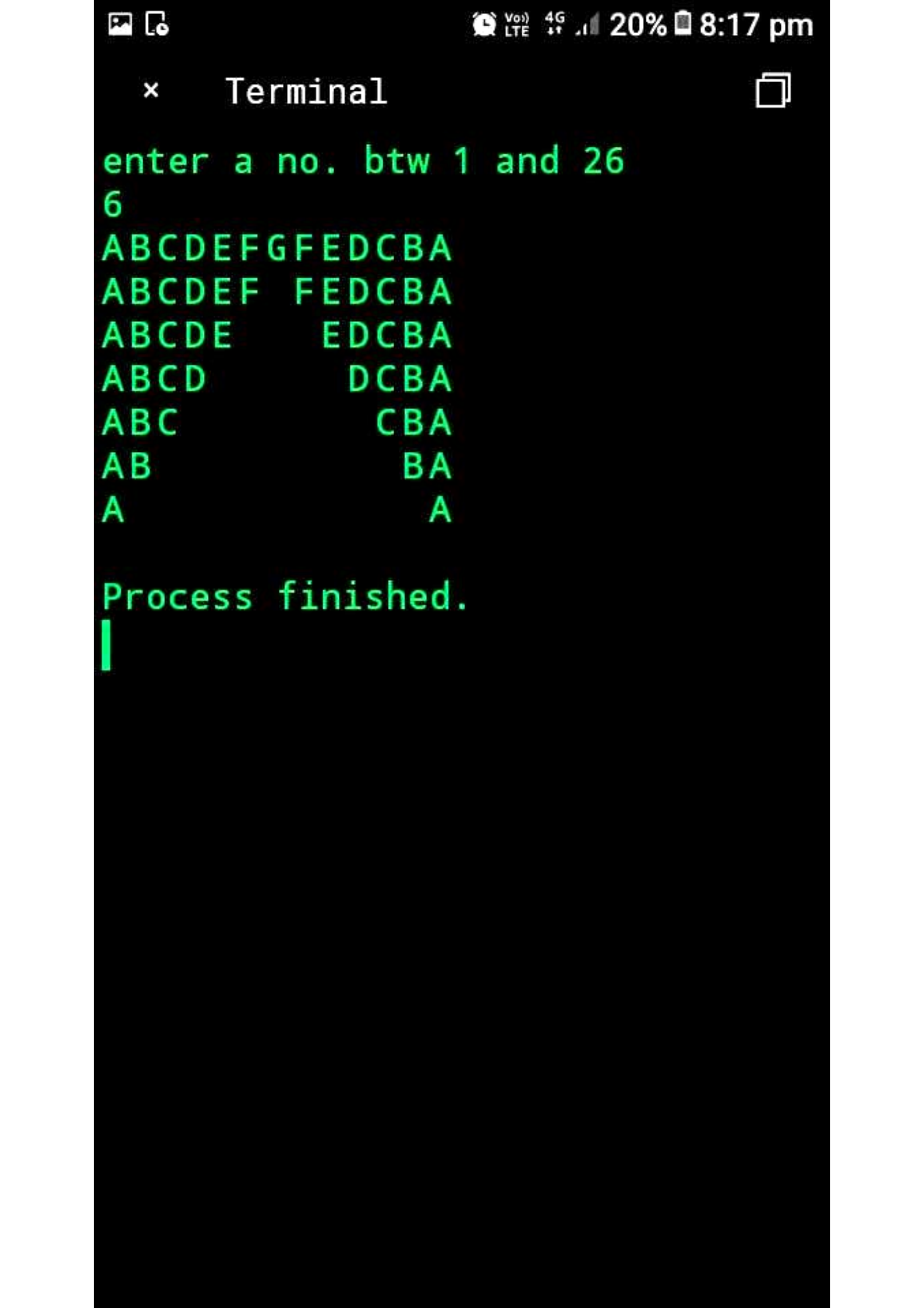
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans9 */
int main()
{ int i,j,r,n,a=3,b;
  printf("enter a no.\n");
  scanf("%d",&n);

  for(i=2;i<n;i++){
    r=1;
    for(j=2;j<=i/2;j++){
      r=i%j;
      if(r==0)
      break;
    }
    if(r!=0){
      b=i;
      if(b-a==2)
      printf("%d %d\n",a,b);
      a=b;
    }

  }
  return 0;
}
```


20% 8:16 pm
Terminal
enter a no.
34
3 5
5 7
11 13
17 19
29 31
Process finished.

ans10.c

Saved

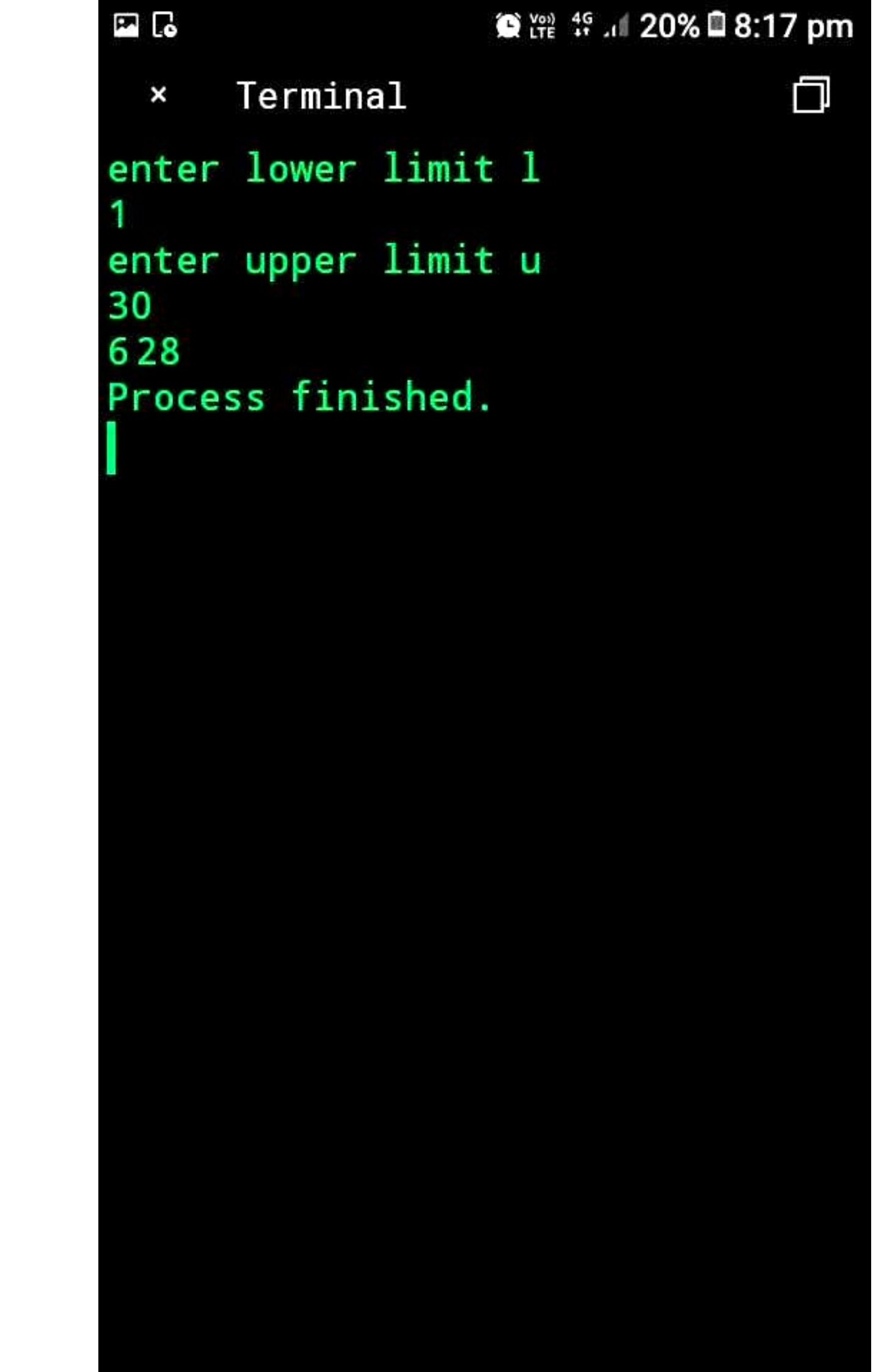
```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans10 */
int main()
{
  int i,j,k,l,n;
  printf("enter a no. btw 1 and 26\n");
  scanf("%d",&n);

  for(i=0;i<=n;i++){
    for(j=65;j<=65+n-i;j++)
    printf("%c\t",j);
    for(k=1;k<=i*2-1;k++)
    printf("\t");
    for(l=65+n-i;l>=65;l--){
      if(l!=65+n)
      printf("%c\t",l);
    }
    printf("\n");
  }

  return 0;
}
```


20% 8:17 pm
Terminal
enter a no. btw 1 and 26
6
ABCDEFGFEDCBA
ABCDEF FEDCBA
ABCDE EDCBA
ABCD DCBA
ABC CBA
AB BA
A A
Process finished.

ans11.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans11 */
int main()
{
  int l,u,i,j,s;
  printf("enter lower limit l\n");
  scanf("%d",&l);
  printf("enter upper limit u\n");
  scanf("%d",&u);

  for(i=l;i<=u;i++){
    s=0;
    for(j=1;j<i;j++){
      if(i%j==0)
        s=s+j;
    }
    if(i==s)
      printf("%d\t",i);
  }
  return 0;
}
```


20% 8:17 pm
Terminal
enter lower limit l
1
enter upper limit u
30
6 28
Process finished.

ans12.c

Saved

```c
#include <stdio.h>
/* ABDUL QADIR BOXWALA   CSE
Sec F    AB-15011     ans12 */
int main()
{
  int i,j,k,n,c,f1,f2,f3,x,y,z;
  printf("enter max no.\n");
  scanf("%d",&n);

  for(i=0;i<=n;i++){
    for(j=0;j<=n-i;j++){
      printf("\t");
    }
    for(k=0;k<=i;k++){
        if(k==0 || i==k || i==0)
        c=1;
        else{
          f1=1,f2=1,f3=1;
          for(x=i;x>=1;x--)
          f1*=x;
          for(y=k;y>=1;y--)
          f2*=y;
          for(z=i-k;z>=1;z--)
          f3*=z;

        c=f1/(f2*f3);
        }
        printf("%2d\t",c);
    }
    printf("\n");
  }
  return 0;
}
```


20% 8:17 pm
Terminal
enter max no.
4
1
1 1
1 2 1
1 3 3 1
1 4 6 4 1
Process finished.