* [Write a program to print a string in C language](http://www.kodegod.com/learn-programming/write-a-program-to-print-a-string-in-c-language/" \o "Write a program to print a string in C language)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  clrscr();  
  printf("\nKodeGod.com");  
  getch();  
  }
* [Write a program to accept values of two numbers and print their addition](http://www.kodegod.com/learn-programming/write-a-program-to-accept-values-of-two-numbers-and-print-their-addition/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int a,b,c;  
  clrscr();  
  printf("Enter number 1: ");  
  scanf("%d",&a);  
  printf("Enter number 2: ");  
  scanf("%d",&b);  
  c=a+b;  
  printf("Addition is : %d",c);  
  getch();  
  }
* [Write a program to accept values of two numbers and print their subtraction](http://www.kodegod.com/resources/write-a-program-to-accept-values-of-two-numbers-and-print-their-subtraction/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int a,b,c;  
  clrscr();  
  printf("Enter number 1: ");  
  scanf("%d",&a);  
  printf("Enter number 2: ");  
  scanf("%d",&b);  
  c=a-b;  
  printf("Subtraction : %d",c);  
  getch();  
  }
* [Write a program to accept values of two numbers and print their multiplication in C language](http://www.kodegod.com/resources/write-a-program-to-accept-values-of-two-numbers-and-print-their-multiplication-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int a,b,c;  
  clrscr();  
  printf("Enter number 1: ");  
  scanf("%d",&a);  
  printf("Enter number 2: ");  
  scanf("%d",&b);  
  c=a\*b;  
  printf("Multiplication: %d",c);  
  getch();  
  }
* [Write a program to accept values of two numbers and print their division in C language](http://www.kodegod.com/resources/write-a-program-to-accept-values-of-two-numbers-and-print-their-division-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  float a,b,c;  
  clrscr();  
  printf("Enter number 1: ");  
  scanf("%f",&a);  
  printf("Enter number 2: ");  
  scanf("%f",&b);  
  c=a/b;  
  printf("Division is : %f",c);  
  getch();  
  }
* [Write a program to print area of a circle. A(circle)= 3.142 \* R \* R in C language](http://www.kodegod.com/resources/write-a-program-to-print-area-of-a-circle-acircle-3-142-r-r-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  float AREA,R;  
  clrscr();  
  printf("Enter Radius: ");  
  scanf("%f",&R);  
  AREA=3.14\*R\*R;  
  printf("Area of the given is : %6.2f",AREA);  
  getch();  
  }
* [Write a program to print area of a triangle A(Triangle)= 0.5 \* B \* H in C language](http://www.kodegod.com/resources/write-a-program-to-print-area-of-a-triangle-atriangle-0-5-b-h-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  float AREA,B,H;  
  clrscr();  
  printf("Enter Base & Height: ");  
  scanf("%f%f",&B,&H);  
  AREA=0.5\*B\*H;  
  printf("Area of the given is : %6.2f",AREA);  
  getch();  
  }
* [Write a program to print simple interest SI = (PNR)/100 in C language](http://www.kodegod.com/resources/write-a-program-to-print-simple-interest-si-pnr100-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  float SI,P,N,R;  
  clrscr();  
  printf("Enter Radius: ");  
  scanf("%f%f%f",&P,&N,&R);  
  SI=(P\*N\*R)/100;  
  printf("Area of the given is : %6.2f",SI);  
  getch();  
  }
* [Write a program to accept a number from user and print it’s square & cube in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-print-its-square-cube-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,Square,Cube;  
  clrscr();  
  printf("Enter Number: ");  
  scanf("%d",&n);  
  Square=n\*n;  
  Cube=n\*n\*n;  
  printf("\nSquare: %d\nCube: %d",Square,Cube);  
  getch();  
  }
* [Write a program to accept two values a & b and interchange their values in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-values-a-b-and-interchange-their-values-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int a,b,temp;  
  clrscr();  
  printf("Enter Numbers: ");  
  scanf("%d%d",&a,&b);  
  printf("\nBefore Swapping..\na=%d,b=%d",a,b);  
  temp=a;  
  a=b;  
  b=temp;  
  printf("\nAfter Swapping..\na=%d,b=%d",a,b);  
  getch();  
  }
* [Write a program to accept roll no and marks of 3 subjects of a student, Calculate total of 3 subjects and average in C language](http://www.kodegod.com/resources/write-a-program-to-accept-roll-no-and-marks-of-3-subjects-of-a-student-calculate-total-of-3-subjects-and-average-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int roll\_no,m1,m2,m3,total;  
  float average;  
  clrscr();  
  printf("Enter roll number : ");  
  scanf("%d",&roll\_no);  
  printf("Enter marks 1 : ");  
  scanf("%d",&m1);  
  printf("Enter marks 2 : ");  
  scanf("%d",&m2);  
  printf("Enter marks 3 : ");  
  scanf("%d",&m3);  
  total=m1+m2+m3;  
  average=total/3.0;  
  printf("\nStudent Roll Number : %d",roll\_no);  
  printf("\nMarks 1 : %d",m1);  
  printf("\nMarks 2 : %d",m2);  
  printf("\nMarks 3 : %d",m3);  
  printf("\nTotal : %d ",total);  
  printf("\nAverage : %f ",average);  
  getch();  
  }
* [Print following outputs: http:\\www.kodegod.com\new in C language](http://www.kodegod.com/resources/print-following-outputs-httpwww-kodegod-comnew-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  clrscr();  
  printf("http:\\\\www.kodegod.com\\learn-programming");  
  getch();  
  }
* [Print the following output in C Language](http://www.kodegod.com/resources/print-the-following-output-in-c-language/)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
clrscr();  
printf("\n");  
printf(" /\\ \n");  
printf(" //\\\\ \n");  
printf(" ///\\\\\\ \n");  
printf("////\\\\\\\\ \n");  
printf(" ||| \n");  
printf(" ||| \n");  
getch();  
}

* [Write a program to accept two number and print largest among them in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-number-and-print-largest-among-them-in-c-language/)  
     
  #include<stdio.h>  
     
  #include<conio.h>  
     
  main()  
     
  {  
     
  int a,b;  
     
  clrscr();  
     
  printf("Enter numbers : ");  
     
  scanf("%d%d",&a,&b);  
     
  if(a>b)  
     
  printf("Largest value is….%d",a);  
     
  else  
     
  printf("Largest value is….%d",b);  
     
  getch();  
     
  }
* [Write a program to accept a number and print if the number is Positive/Negative in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-and-print-if-the-number-is-positivenegative-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
     
  main()  
  {  
  int n;  
  clrscr();  
  printf("Enter number..");  
  scanf("%d",&n);  
  if(n>0)  
  printf("Given number is positive");  
  else if(n<0)  
  printf("Given number is negative");  
  else  
  printf("Number is Zero");  
  getch();  
  }
* [Write a program to accept a number and check if it is >10, <10 or =10 in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-and-check-if-it-is-10/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n;  
  clrscr();  
  printf("enter number…");  
  scanf("%d",&n);  
  if(n>10)  
  printf("Number is greater than 10");  
  else if(n<10)  
  printf("Number is lesser than 10");  
  else  
  printf("Number is 10");  
  getch();  
  }
* [Write a program to accept a number from user and print if it is even or odd in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-print-if-it-is-even-or-odd-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  if(n%2==0)  
  printf("Number is even…");  
  else  
  printf("Number is odd….");  
  getch();  
  }
* [Write a program to accept a number from user and print if it is divisible by 5 in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-print-if-it-is-divisible-by-5-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  if(n%5==0)  
  printf("Number is divisible by 5.");  
  else  
  printf("Number is not divisible by 5.");  
  getch();  
  }
* [Write a program to accept a number from user and print if it is multiple of 7 in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-print-if-it-is-multiple-of-7-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  if(n%7==0)  
  printf("Number is multiple of 7");  
  else  
  printf("Number is not multiple of 7");  
  getch();  
  }
* [Write a program to accept two numbers from user and compare them in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-numbers-from-user-and-compare-them-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int a,b;  
  clrscr();  
  printf("Enter numbers…");  
  scanf("%d%d",&a,&b);  
  if(a>b)  
  printf("a is greater than b");  
  else if(b>a)  
  printf("b is greater tha b");  
  else  
  printf("a and b are equal");  
  getch();  
  }
* [Write a program to accept three numbers from user and print them in ascending and decending order in C language](http://www.kodegod.com/resources/write-a-program-to-accept-three-numbers-from-user-and-print-them-in-ascending-and-decending-order-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int a,b,c;  
  clrscr();  
  printf("Enter numbers…");  
  scanf("%d%d%d",&a,&b,&c);  
  if((a>=b)&&(a>=c))  
  {  
  if(b>=c)  
  {  
  printf("\n Descending order : %d %d %d",a,b,c);  
  printf("\n Ascending order : %d %d %d",c,b,a);  
  }  
  else  
  {  
  printf("\n Descending order : %d %d %d",a,c,b);  
  printf("\n Ascending order : %d %d %d",b,c,a);  
  }  
  }  
  else if((b>=a)&&(b>=c))  
  {  
  if(a>=c)  
  {  
  printf("\n Descending order : %d %d %d",b,a,c);  
  …
* [write a program to calculate roots of a quadratic equations in C language](http://www.kodegod.com/resources/write-a-program-to-calculate-roots-of-a-quadratic-equations-in-c-language/) x=b^2-4ac  
  if x=0 -> only one root ,  
  if x>0 -> roots are distinct (–b+x)/2a & (–b-x)/2a  
  if x roots are imaginary

#include<stdio.h>  
#include<conio.h>  
main()  
{  
float x,r1,r2,a,b,c;  
clrscr();  
printf("Enter a,b,c…");  
scanf("%f%f%f",&a,&b,&c);  
x=b\*b-4\*a\*c;  
r1=(-b+x)/2\*a;  
r2=(-b-x)/2\*a;  
if(x>0)  
printf("\nRoots are unequal…\n");  
else if(x<0)  
printf("\nRoots are imaginary…\n");  
else  
printf("\nRoots are same….\n");  
printf("R1 = %f",r1);  
printf("R2 = %f",r2);  
getch();  
}

* [Write a program to accept roll number ,and marks for three subjects, print total marks and average, also print grade by considering following conditions](http://www.kodegod.com/resources/write-a-program-to-accept-roll-number-and-marks-for-three-subjects-print-total-marks-and-average-also-print-grade-by-considering-following-conditions/) Avg>=60 Grade A  
  Avg=50 Grade B  
  Avg=40 Grade C  
  Grade F.

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int RollNumber,m1,m2,m3,total;  
float avg;  
clrscr();  
printf("Enter Roll Number : ");  
scanf("%d",&RollNumber);  
printf("Enter marks for three subjects : ");  
scanf("%d%d%d",&m1,&m2,&m3);  
total=m1+m2+m3;  
avg=total/3.0;  
printf("\nTotal is……. %d",total);  
printf("\nAverage is….. %5.2f %",avg);  
if(avg>=60)  
printf("\nGrade : A");  
else if((avg>=50)&&(avg<60))  
printf("\nGrade : B");  
else if((avg>=40)&&(avg<50))  
printf("\nGrade : C");  
else  
printf("\nGrade : F");  
getch();  
}

* [Write a Program to accept age, gender, and marital status of a driver and print if he/she is insured considering following conditions](http://www.kodegod.com/resources/write-a-program-to-accept-age-gender-and-marital-status-of-a-driver-and-print-if-heshe-is-insured-considering-following-conditions/) If driver is married then he/she is insured, else not  
  If he/she is not married, if male & age>=30 then insured else not  
  If he/she is not married, if female & age>=25 then insured else not.

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int age;  
char MaritalStatus,Gender;  
clrscr();  
printf("Enter MaritalStatus, Gender, Age : (e.g. m,f,25) : ");  
scanf("%c,%c,%d",&MaritalStatus,&Gender,&age);  
if(MaritalStatus==’m’)  
{  
printf("Driver is Insured !!!");  
}  
else if(MaritalStatus==’u’)  
{  
if(Gender==’m’)  
{  
if(age>=30)  
printf("Insured !!!");  
else  
printf("Not Insured !!!");  
}  
else if(Gender==’f’)  
{  
if(age>=18)  
printf("Insured !!!");  
else  
printf("Not Insured !!!");  
}  
else  
…

* [Write a Program to print numbers 1 to n using while loop in C language](http://www.kodegod.com/resources/write-a-program-to-print-numbers-1-to-n-using-while-loop-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i=1,n;  
  clrscr();  
  printf("Enter n : ");  
  scanf("%d",&n);  
  while(i<=n)  
  {  
  printf("%d\t",i);  
  i++;  
  }  
  getch();  
  }
* [Write a Program to print numbers n to 1 using Do While loop in C language](http://www.kodegod.com/resources/write-a-program-to-print-numbers-n-to-1-using-do-while-loop-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i=1,n;  
  clrscr();  
  printf("Enter n : ");  
  scanf("%d",&n);  
  i=n;  
  do  
  {  
  printf("%d\t",i);  
  i–;  
  }while(i>=1);  
  getch();  
  }
* [Write a Program to print first n even numbers in C language](http://www.kodegod.com/resources/write-a-program-to-print-first-n-even-numbers-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i=2,n;  
  clrscr();  
  printf("Enter n : ");  
  scanf("%d",&n);  
  while(i<=n)  
  {  
  printf("%d\t",i);  
  i=i+2;  
  }  
  getch();  
  }
* [Write a Program to print first n odd numbers in C language](http://www.kodegod.com/resources/write-a-program-to-print-first-n-odd-numbers-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i=1,n;  
  clrscr();  
  printf("Enter n : ");  
  scanf("%d",&n);  
  while(i<=n)  
  {  
  printf("%d\t",i);  
  i=i+2;  
  }  
  getch();  
  }
* [Write a Program to accept a number and print the number in reverse order. E.g. if 1324 is the number then the output will be 4231 in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-and-print-the-number-in-reverse-order-e-g-if-1324-is-the-number-then-the-output-will-be-4231-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int rem,n;  
  clrscr();  
  printf("Enter n : ");  
  scanf("%d",&n);  
  while(n>0)  
  {  
  rem=n%10;  
  printf("%d",rem);  
  n=n/10;  
  }  
  getch();  
  }
* [Write a Program to accept a number and print sum of it’s digits in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-and-print-sum-of-its-digits-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int rem,sum=0,n  
  clrscr();  
  printf("Enter n : ");  
  scanf("%d",&n);  
  while(n>0)  
  {  
  rem=n%10;  
  sum=sum+rem;  
  n=n/10;  
  }  
  printf("Sum of digits….%d",sum);  
  getch();  
  }
* [Write a program to accept a number from user and check it it is Armstrong number or not i.e. 153 = 1^3 + 5^3 + 3^3 = 153 in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-check-it-it-is-armstrong-number-or-not-i-e-153-13-53-33-153-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i=2,temp,rem,sum=0 ,n;  
  clrscr();  
  printf("Enter n : ");  
  scanf("%d",&n);  
  temp=n;  
  while(n>0)  
  {  
  rem=n%10;  
  sum=sum+rem\*rem\*rem;  
  n=n/10;  
  }  
  if(temp==sum)  
  printf("Armstrong Number");  
  else  
  printf("Not an Armstrong Number");  
  getch();  
  }
* [Write a program to print table of a given number n in C language](http://www.kodegod.com/resources/write-a-program-to-print-table-of-a-given-number-n-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,n;  
  clrscr();  
  printf("Enter number : ");  
  scanf("%d",&n);  
  for(i=1;i<=10;i++)  
  printf("%d X %d = %d\n",n,i,n\*i);  
  getch();  
  }
* [Write a program to print sum of given first n numbers in C language](http://www.kodegod.com/resources/write-a-program-to-print-sum-of-given-first-n-numbers-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,newn,i,sum=0;  
  clrscr();  
  printf("enter number : ");  
  scanf("%d",&n);  
  printf("Numbers entered….\n");  
  for(i=1;i<=n;i++)  
  {  
  scanf("%d",&newn);  
  sum=sum+newn;  
  }  
  printf("Sum of given n digits is… %d",sum);  
  }
* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language/) \*\*\*\*  
  \*\*\*\*  
  \*\*\*\*  
  \*\*\*\*

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
{  
for(j=1;j<=n;j++)  
{  
printf("\*");  
}  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-2/) \*  
  \*\*  
  \*\*\*  
  \*\*\*\*

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
{  
for(j=1;j<=i;j++)  
{  
printf("\*");  
}  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-3/) \*\*\*\*  
  \*\*\*  
  \*\*  
  \*

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=n;i>=1;i–)  
{  
for(j=1;j<=i;j++)  
{  
printf("\*");  
}  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-4/)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
{  
for(k=1;k<i;k++)  
{  
printf(" ");  
}  
for(j=i;j<=n;j++)  
{  
printf("\*");  
}  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-5/)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=n;i>=1;i–)  
{  
for(k=1;k<=(n-i);k++)  
{  
printf(" ");  
}  
for(j=1;j<=i;j++)  
{  
printf("\*");  
}  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-6/)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
{  
for(k=1;k<=(n-i);k++)  
{  
printf(" ");  
}  
for(j=1;j<=i;j++)  
{  
printf("\*");  
}  
for(j=2;j<=i;j++)  
{  
printf("\*");  
}  
   
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-7/)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=n;i>=1;i–)  
{  
for(k=1;k<=(n-i);k++)  
{  
printf(" ");  
}  
for(j=1;j<=i;j++)  
{  
printf("\*");  
}  
for(j=2;j<=i;j++)  
{  
printf("\*");  
}  
   
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-8/)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
   
for(i=1;i<=n;i++)  
{  
for(k=1;k<=(n-i);k++)  
{  
printf(" ");  
}  
for(j=1;j<=i;j++)  
{  
printf("\*");  
}  
for(j=2;j<=i;j++)  
{  
printf("\*");  
}  
   
printf("\n");  
}  
   
for(i=n-1;i>=1;i–)  
{  
for(k=1;k<=(n-i);k++)  
{  
printf(" ");  
}  
for(j=1;j<=i;j++)  
{  
printf("\*");  
}  
for(j=2;j<=i;j++)  
{  
printf("\*");  
}  
   
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-9/) 1  
  12  
  123  
  1234

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
{  
for(j=1;j<=i;j++)  
printf("%d",j);  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-10/) 1  
  22  
  333  
  4444

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
{  
for(j=1;j<=i;j++)  
printf("%d",i);  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-11/)  
  A  
  BBB  
  CCCCC

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,k,n;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
//ASCII Code for ‘A’ is 65  
for(i=1;i<=n;i++)  
{  
for(k=1;k<=(n-i);k++)  
{  
printf(" ");  
}  
for(j=1;j<=i;j++)  
{  
printf("%c",64+i);  
}  
for(j=2;j<=i;j++)  
{  
printf("%c",64+i);  
}  
   
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-12/)

ABCDEEBCBA  
ABCD BCBA  
ABC CBA  
AB BA  
A A

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,n,j,k;  
clrscr();  
printf("Enter number……..");  
scanf("%d",&n);  
for(i=n-1;i>=0;i–)  
{  
for(j=0;j<=i;j++)  
printf("%c",65+j);  
for(k=1;k<(n-i);k++)  
printf(" ");  
for(j=i;j>=0;j–)  
printf("%c",65+j);  
printf("\n");  
}  
getch();  
}

* [Write a program to print following outputs in C language](http://www.kodegod.com/resources/write-a-program-to-print-following-outputs-in-c-language-13/)  
  1  
  11  
  121  
  1231  
  12341

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,n;  
clrscr();  
printf("Enter number…");  
scanf("%d",&n);  
for(i=0;i<=n;i++)  
{  
for(j=1;j<=i;j++)  
{  
printf("%d",j);  
}  
printf("1\n");  
}  
getch();  
}

* [Write a program to accept a number from user and print it’s factorial in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-print-its-factorial-in-c-language/) Eg: factorial of 5 is:-  
  5! = 5 \* 4 \* 3 \* 2 \* 1=120

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,fact=1,n;  
clrscr();  
printf("Enter number…");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
fact=fact\*i;  
printf("facttorialof the given number is…%d",fact);  
getch();  
   
}

* [Write a program to accept a number from user and print if it is prime or not in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-print-if-it-is-prime-or-not-in-c-language/)  
  #include<conio.h>  
  #include<process.h>  
  main()  
  {  
  int i,n;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  for(i=2;i<=n/2;i++)  
  {  
  if(n%i==0)  
  {  
  printf("Not Prime");  
  getch();  
  exit(0);  
  }  
  }  
  printf("Prime ");  
  getch();  
  }
* [Write a program to accept a number and print prime numbers between 2 and n in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-and-print-prime-numbers-between-2-and-n-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  #include<process.h>  
  main()  
  {  
  int i,flag=1,n,newn;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  for(newn=2;newn<=n;newn++)  
  {  
  flag=1;  
  for(i=2;i<=newn/2 ;i++)  
  {  
  if(newn%i==0)  
  {  
  flag=0;  
  break;  
  }  
  }  
  if(flag==1)  
  printf("%d ",newn);  
  }  
  getch();  
  }
* [Write a program to accept a number and print fibonacci series upto that level in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-and-print-fibonacci-series-upto-that-level-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int pre=1,cur=1,temp,i,n;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  printf("%d\t%d",pre,cur);  
  for(i=3;i<=n;i++)  
  {  
  temp=cur;  
  cur=pre+cur;  
  pre=temp;  
  printf("\t%d",cur);  
  }  
  getch();  
  }
* [Write a program to print digits, alphabets in capital and lower case in C language](http://www.kodegod.com/resources/write-a-program-to-print-digits-alphabets-in-capital-and-lower-case-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i;  
  clrscr();  
  for(i=65;i<=90;i++)  
  printf("%c ",i);  
     
  printf("\n\n\n\n");  
  for(i=97;i<=122;i++)  
  printf("%c ",i);  
     
  printf("\n\n\n\n");  
  for(i=48;i<=57;i++)  
  printf("%c\t",i);  
     
  getch();  
  }
* [Write a program to accept a number n from user and Add n terms of the series in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-add-n-terms-of-the-series-in-c-language/) 1/2! + 2/3! + 3/4! + 4/5! + 5/6! + ………

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j,n;  
float sum=0,fact=1;  
clrscr();  
printf("Enter number….");  
scanf("%d",&n);  
for(i=1;i<=n;i++)  
{  
fact=1;  
for(j=1;j<=i+1;j++)  
fact=fact\*j;  
sum=sum+i/fact;  
}  
printf("Sum of the series….%f",sum);  
getch();  
}

* [Write a program to read n numbers (Xi) from the user and print out their average and standard deviation. Formulae are](http://www.kodegod.com/resources/write-a-program-to-read-n-numbers-xi-from-the-user-and-print-out-their-average-and-standard-deviation-formulae-are/) Average = (Sum of Xi)/n ,  
  Standard Deviation= Sum of (Xi \*Xi)/(n\*n)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int n,i,newn,sum\_avg=0,sum\_sd=0;  
float sd,avg;  
clrscr();  
printf("Enter number : ");  
scanf("%d",&n);  
printf("Enter numbers…");  
for(i=1;i<=n;i++)  
{  
scanf("%d",&newn);  
sum\_avg=sum\_avg+newn;  
sum\_sd=sum\_sd+(newn\*newn);  
}  
avg=sum\_avg/(float)n; //Type casting.  
sd=sum\_sd/(float)(n\*n);//Type casting  
printf("\nAverage = %f",avg);  
printf("\nStandard Deviation = %f",sd);  
getch();  
}

* [Write a program to print out ASCII chart on a single screen (all 256 characters from 0 to 255) in a tabular form. The ASCII code should be followed by the corresponding character in C language](http://www.kodegod.com/resources/print-out-the-ascii-chart-on-a-single-screen-all-256-characters-from-0-to-255-in-a-tabular-form-the-ascii-code-should-be-followed-by-the-corresponding-character-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i;  
  clrscr();  
  for(i=0;i<=255;i++)  
  printf("%d-%c\t",i,i);  
  getch();  
  }
* [Write a program to print following output](http://www.kodegod.com/resources/write-a-program-to-print-following-output/)  
  \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
  \* \*  
  \* …
* [Write a program to accept a single value interger from user and print that integer in words in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-single-value-interger-from-user-and-print-that-integer-in-words-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,rem;  
  clrscr();  
  printf("Enter number…");  
  scanf("%1d",&n); //%1d to scan single integer  
  switch(n)  
  {  
  case 0 : printf("Zerro ");break;  
  case 1 : printf("One ");break;  
  case 2 : printf("Two ");break;  
  case 3 : printf("Three ");break;  
  case 4 : printf("Four ");break;  
  case 5 : printf("Five ");break;  
  case 6 : printf("Six ");break;  
  case 7 : printf("Seven ");break;  
  case 8 : printf("Eigth ");break;  
  case 9 : printf("Nine ");break;  
  }  
  getch();  
  }
* [Write a program to print following output](http://www.kodegod.com/resources/write-a-program-to-print-following-output-2/)

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int i,j;  
clrscr();  
printf("+");  
for(i=2;i<=79;i++)  
printf("-");  
printf("+");  
for(i=2;i<=24;i++)  
{  
printf("|");  
for(j=2;j<=79;j++)  
printf(" ");  
printf("|");  
}  
printf("+");  
for(i=2;i<=79;i++)  
printf("-");  
printf("+");  
   
getch();  
}

* [Write a program to accept a number from user and print that number in words but in reverse order in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-nuber-from-user-and-print-that-number-in-words-but-in-reverse-order-in-c-language/) E.g. 153 -> THREE FIVE ONE

#include<stdio.h>  
#include<conio.h>  
main()  
{  
int n,rem;  
clrscr();  
printf("Enter number…");  
scanf("%d",&n);  
while(n>0)  
{  
rem=n%10;  
switch(rem)  
{  
case 0 : printf("Zerro ");break;  
case 1 : printf("One ");break;  
case 2 : printf("Two ");break;  
case 3 : printf("Three ");break;  
case 4 : printf("Four ");break;  
case 5 : printf("Five ");break;  
case 6 : printf("Six ");break;  
case 7 : printf("Seven ");break;  
case 8 : printf("Eigth ");break;  
case 9 : printf("Nine ");break;  
}  
n=n/10;  
   
}  
getch();  
}

* [Write a Program to accept two numbers and a operator (+, -, \*, / from user and complete that particular operation only in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-numbers-and-a-operator-from-user-and-complete-that-particular-operation-only-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,rem,a,b;  
  char op;  
  clrscr();  
  printf("Enter Operator(+,-,\*,/)…");  
  scanf("%c",&op);  
  printf("Enter numbers…");  
  scanf("%d%d",&a,&b);  
  switch(op)  
  {  
  case ‘+’ : printf("Result : %d ",a+b);break;  
  case ‘-‘ : printf("Result : %d ",a-b);break;  
  case ‘\*’ : printf("Result : %d ",a\*b);break;  
  case ‘/’ : printf("Result : %d ",a/b);break;  
  default : printf("Invalid operator….");  
  }  
  getch();  
  }
* [Write a program to accept a number n from user and then accept n array elements from user and reprint them in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-then-accept-n-array-elements-from-user-and-reprint-them-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,i,a[20];  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  printf("Enter array elements :\n" );  
  for(i=0;i<n;i++)  
  {  
  printf("Enter element %d : ",i+1);  
  scanf("%d",&a[i]);  
  }  
  for(i=0;i<n;i++)  
  printf("\nElement %d : %d",i+1,a[i]);  
  getch();  
  }
* [Write a program to accept a number n from user and then accept n array elements from user and reprint them in reverse order of inputs in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-then-accept-n-array-elements-from-user-and-reprint-them-in-reverse-order-of-inputs-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,i,a[20];  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  printf("Enter array elements :\n" );  
  for(i=0;i<n;i++)  
  {  
  printf("Enter element %d : ",i+1);  
  scanf("%d",&a[i]);  
  }  
  for(i=n-1;i>=0;i–)  
  printf("\nElement %d : %d",i+1,a[i]);  
  getch();  
  }
* [Write a program to accept a number n from user and then accept n array elements from user and print addition of those n array elements in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-then-accept-n-array-elements-from-user-and-print-addition-of-those-n-array-elements-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,i,a[20],sum=0;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  printf("Enter array elements :\n" );  
  for(i=0;i<n;i++)  
  {  
  printf("Enter element %d : ",i+1);  
  scanf("%d",&a[i]);  
  }  
     
  for(i=0;i<n;i++)  
  sum=sum+a[i];  
  printf("\nSum of given array elements is : %d",sum);  
  getch();  
  }
* [Write a program to accept a number n from user and print fibbonacci series up to nth level using arrays in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-print-fibbonacci-series-up-to-nth-level-using-arrays-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int a[20],n,i;  
  clrscr();  
  printf("Enter number : ");  
  scanf("%d",&n);  
  a[1]=a[2]=1;  
     
  for(i=3;i<=n;i++)  
  a[i]=a[i-1]+a[i-2];  
     
  for(i=1;i<=n;i++)  
  printf(" %d",a[i]);  
     
  getch();  
  }
* [Write a program to accept a number n from user and then accept n array elements from user and print maximum and minimum array element from that set of array in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-then-accept-n-array-elements-from-user-and-print-maximum-and-minimum-array-element-from-that-set-of-array-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,i,a[20],max,min;  
  clrscr();  
  printf("Enter number : ");  
  scanf("%d",&n);  
  printf("Enter array elements…\n");  
  for(i=0;i<n;i++)  
  {  
  printf("Enter element %d : ",i+1);  
  scanf("%d",&a[i]);  
  }  
  max=min=a[0];  
  for(i=0;i<n;i++)  
  {  
  if(a[i]>max)  
  max=a[i];  
  if(a[i]<min)  
  min=a[i];  
  }  
  printf("\nMin : %d",min);  
  printf("\nMax : %d",max);  
  getch();  
  }
* [Write a program to accept a number n from user and then accept n array elements from user, print positive & Negative numbers separately in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-then-accept-n-array-elements-from-user-print-positive-negative-numbers-separately-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,i,a[20];  
  clrscr();  
  printf("Enter number : ");  
  scanf("%d",&n);  
  printf("Enter array elements…\n");  
  for(i=0;i<n;i++)  
  {  
  printf("Enter element %d : ",i+1);  
  scanf("%d",&a[i]);  
  }  
     
  printf("\n\nNegative Elements : \n");  
  for(i=0;i<n;i++)  
  if(a[i]<0)  
  printf("\n%d",a[i]);  
     
  printf("\n\nPositive Elements : \n");  
  for(i=0;i<n;i++)  
  if(a[i]>0)  
  printf("\n%d",a[i]);  
     
  getch();  
  }
* [Write a program to accept a number n from user and then accept n array elements from user, print these array elements in ascending and descending order in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-n-from-user-and-then-accept-n-array-elements-from-user-print-these-array-elements-in-ascending-and-descending-order-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int n,i,a[20],j,max,min,temp;  
  clrscr();  
  printf("Enter number : ");  
  scanf("%d",&n);  
  printf("Enter array elements…\n");  
  for(i=0;i<n;i++)  
  {  
  printf("Enter element %d : ",i+1);  
  scanf("%d",&a[i]);  
  }  
  max=a[0];  
  for(i=0;i<n;i++)  
  {  
  for(j=0;j<i;j++)  
  if(a[i]>a[j])  
  {  
  temp=a[i];  
  a[i]=a[j];  
  a[j]=temp;  
  }  
  }  
  printf("Ascending order…..\n");  
  for(i=0;i<n;i++)  
  {  
  printf(" %d ",a[i]);  
  }  
     
  min=a[0];  
  for(i=0;i<n;i++)  
  {  
  for(j=0;j<i;j++)  
  if(a[i]<a[j])  
  {  
  temp=a[i];  
  a[i]=a[j];  
  a[j]=temp;  
  }  
  }  
  printf("\nDescending order….\n");  
  for(i=0;i<n;i++)  
  {  
  printf(" %d ",a[i]);  
  }  
     
  getch();  
  }
* [Write a program to accept a mXn matrix and reprint it in matrix form in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-mxn-matrix-and-reprint-it-in-matrix-form-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,n,a[5][5];  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d%d",&m,&n);  
  printf("Enter matrix elements…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  scanf("%d",&a[i][j]);  
     
  for(i=0;i<m;i++)  
  {  
  for(j=0;j<n;j++)  
  printf("%d ",a[i][j]);  
  printf("\n");  
  }  
  getch();  
  }
* [Write a program to accept two mXn matrices and add them in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-mxn-matrices-and-add-them-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,n,a[5][5],b[5][5],c[5][5];  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d%d",&m,&n);  
  printf("Enter matrix elements of first matrix…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  scanf("%d",&a[i][j]);  
     
  printf("Enter matrix elements of second matrix…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  scanf("%d",&b[i][j]);  
     
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  c[i][j]=a[i][j]+b[i][j];  
     
  printf("Resultant matrix …..\n");  
  for(i=0;i<m;i++)  
  {  
  for(j=0;j<n;j++)  
  printf("%d ",c[i][j]);  
  printf("\n");  
  }  
  getch();  
  }
* [Write a program to accept a mXn matrix and print addition of their array elements in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-mxn-matrix-and-print-addition-of-their-array-elements-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,n,a[5][5],sum=0;  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d%d",&m,&n);  
  printf("Enter matrix elements…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  scanf("%d",&a[i][j]);  
     
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  sum=sum+a[i][j];  
     
  printf("\nSum of matrix elements…..%d",sum);  
  getch();  
  }
* [Write a program to accept a nXn matrix and print addition of digonal elements of that matrix in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-nxn-matrix-and-print-addition-of-digonal-elements-of-that-matrix-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,a[5][5],sum=0;  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d",&m);  
  printf("Enter matrix elements…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<m;j++)  
  scanf("%d",&a[i][j]);  
     
  for(i=0;i<m;i++)  
  for(j=0;j<m;j++)  
  if(i==j)  
  sum=sum+a[i][j];  
     
  printf("\nSum of diagonal elements…..%d",sum);  
  getch();  
  }
* [Write a program to accept a N x N matrix and print addition of upper triangular matrix elements in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-nxn-matrix-and-print-addition-of-upper-triangular-matrix-elements-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,a[5][5],sum=0;  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d",&m);  
  printf("Enter matrix elements…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<m;j++)  
  scanf("%d",&a[i][j]);  
     
  for(i=0;i<m;i++)  
  for(j=0;j<m;j++)  
  if(i<j)  
  sum=sum+a[i][j];  
     
  printf("\nSum of upper triangular elements…..%d",sum);  
  getch();  
  }
* [Write a program to accept a N x N matrix and print addition of lower triangular matrix elements in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-n-x-n-matrix-and-print-addition-of-lower-triangular-matrix-elements-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,a[5][5],sum=0;  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d",&m);  
  printf("Enter matrix elements…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<m;j++)  
  scanf("%d",&a[i][j]);  
     
  for(i=0;i<m;i++)  
  for(j=0;j<m;j++)  
  if(i>j)  
  sum=sum+a[i][j];  
     
  printf("\nSum of lower triangular elements…..%d",sum);  
  getch();  
  }
* [Write a program to accept two m X n matices and print their addition and multiplication in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-m-x-n-matices-and-print-their-addition-and-multiplication-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,n,k,a[5][5],b[5][5],c[5][5];  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d%d",&m,&n);  
  printf("Enter matrix elements of first matrix…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  scanf("%d",&a[i][j]);  
     
  printf("Enter matrix elements of second matrix…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  scanf("%d",&b[i][j]);  
     
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  {  
  c[i][j]=0;  
  for(k=0;k<n;k++)  
  c[i][j]=c[i][j]+a[i][k]\*b[k][j];  
  }  
     
  printf("Resultant matrix …..\n");  
  for(i=0;i<m;i++)  
  {  
  for(j=0;j<n;j++)  
  printf("%d ",c[i][j]);  
  printf("\n");  
  }  
  getch();  
  }
* [Write a program to accept a m X n matrix and print it’s transpose matrix in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-m-x-n-matrix-and-print-its-transpose-matrix-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,m,n,a[5][5];  
  clrscr();  
  printf("Enter order of matrix :\n");  
  scanf("%d%d",&m,&n);  
  printf("Enter matrix elements…..\n");  
  for(i=0;i<m;i++)  
  for(j=0;j<n;j++)  
  scanf("%d",&a[i][j]);  
     
  for(i=0;i<m;i++)  
  {  
  for(j=0;j<n;j++)  
  printf("%d ",a[j][i]);  
  printf("\n");  
  }  
  getch();  
  }
* [Write a program to accept two numbers from user and print it’s addition,subtraction,multiplication,division using different functions in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-numbers-from-user-and-print-its-additionsubtractionmultiplicationdivision-using-different-functions-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
     
  int add(int x,int y)  
  {  
  return(x+y);  
  }  
     
  int sub(int x,int y)  
  {  
  return(x-y);  
  }  
     
  int mul(int x,int y)  
  {  
  return(x\*y);  
  }  
     
  int div(int x,int y)  
  {  
  return(x/y);  
  }  
     
  main()  
  {  
  int a,b;  
  clrscr();  
  printf("Enter numbers : \n");  
  scanf("%d%d",&a,&b);  
  printf("\nAddition : %d\n",add(a,b));  
  printf("\nSubtraction : %d\n",sub(a,b));  
  printf("\nMultiplication : %d\n",mul(a,b));  
  printf("\nDivision : %d\n",div(a,b));  
  getch();  
  }
* [Write a program to accept a number from user and print it’s factorial, check if it prime or not , and print it’s fibbonacci series using different functions in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-number-from-user-and-print-its-factorial-check-if-it-prime-or-not-and-print-its-fibbonacci-series-using-different-functions-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
     
  fact(int x)  
  {  
  int i,fact=1;  
  for(i=1;i<=x;i++)  
  fact=fact\*i;  
  printf("Factorial is : %d",fact);  
  }  
     
  IsPrime(int x)  
  {  
  int i;  
  for(i=2;i<x-1;i++)  
  {  
  if(x%i==0)  
  {  
  printf("\nNot a Prime Number\n");  
  return 0;  
  }  
  }  
  printf("\nIt is a Prime number\n");  
  }  
     
  fibbo(int x)  
  {  
  int pre=1,cur=1,i,temp;  
  printf("%d %d",pre,cur);  
  for(i=3;i<=x;i++)  
  {  
  temp=cur;  
  cur=pre+cur;  
  pre=temp;  
  printf(" %d",cur);  
  }  
  }  
  main()  
  {  
  int n;  
  clrscr();  
  printf("Enter number…");  
  scanf("%d",&n);  
  fact(n);  
  IsPrime(n);  
  fibbo(n);  
  getch();  
  }
* [Write a program to calculate square and cube of a given number in C language](http://www.kodegod.com/resources/write-a-program-to-calculate-square-and-cube-of-a-given-number-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
     
  int square(int x)  
  {  
  return(x\*x);  
  }  
     
  int qube(int x)  
  {  
  return(x\*x\*x);  
  }  
  main()  
  {  
  int n;  
  clrscr();  
  printf("Enter number…..");  
  scanf("%d",&n);  
  printf("\nSquare : %d\n",square(n));  
  printf("\nQube : %d\n",qube(n));  
  qube(n);  
  getch();  
  }
* [Write a program using recursions for fibbonacci series in C language](http://www.kodegod.com/resources/write-a-program-using-recursions-for-fibbionacci-series-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  #include<process.h>  
  fibbo(int pre, int cur ,int x)  
  { int temp;  
  if(x==2)  
  {  
  getch();  
  exit(0);  
  }  
  temp=cur;  
  cur=pre+cur;  
  pre=temp;  
  printf("%d ",cur);  
  fibbo(pre,cur,x-1);  
  }  
  main()  
  {  
  int n,pre=1,cur=1;  
  clrscr();  
  printf("Enter number : ");  
  scanf("%d",&n);  
  printf("%d %d ",pre,cur);  
  fibbo(pre,cur,n);  
  getch();  
  }
* [Write a program using reccursions for fibbionacci series factorial in C language](http://www.kodegod.com/resources/write-a-program-using-reccursions-for-fibbionacci-series-factorial-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<process.h>  
     
  int fact(int n)  
  {  
  int f;  
  if(n==1)  
  return 1;  
  else  
  f=n\*fact(n-1);  
  return f;  
  }  
  main()  
  {  
  int n;  
  clrscr();  
  printf("Enter number : ");  
  scanf("%d",&n);  
  printf("\nFactorial is…%d\n",fact(n));  
  getch();  
  }
* [Write a program to accept two numbers from user and swap their values using call by reference method in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-numbers-from-user-and-swap-their-values-using-call-by-reference-method-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<process.h>  
     
  swap(int \*x ,int \*y)  
  {  
  int temp;  
  temp=\*x;  
  \*x=\*y;  
  \*y=temp;  
  }  
  main()  
  {  
  int a,b;  
  clrscr();  
  printf("Enter numbers : ");  
  scanf("%d%d",&a,&b);  
  printf("\nBefore Swapping a = %d, b = %d\n",a,b);  
  swap(&a,&b);  
  printf("\nAfter Swapping a = %d, b = %d\n",a,b);  
  getch();  
  }
* [Write a program to accept a string and print the string in reverse order in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-string-and-print-the-string-in-reverse-order-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<string.h>  
  main()  
  {  
  char \*s1;  
  clrscr();  
  printf("Enter string : ");  
  scanf("%s",s1);  
  printf("Reverse String : %s",strrev(s1));  
  getch();  
  }
* [Write a program to calculate lenght of a given string in C language](http://www.kodegod.com/resources/write-a-program-to-calculate-lenght-of-a-given-string-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<string.h>  
  main()  
  {  
  char \*s1;  
  clrscr();  
  printf("Enter string : ");  
  scanf("%s",s1);  
  printf("Lenght: %d",strlen(s1));  
  getch();  
  }
* [Write a program to accept a string and print the string in upper case in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-string-and-print-the-string-in-upper-case-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<string.h>  
  main()  
  {  
  char \*s1;  
  clrscr();  
  printf("Enter string:");  
  scanf("%s",s1);  
  printf("String in UPPER CASE : %s",strupr(s1));  
  getch();  
  }
* [Write a program to accept a string and print the string in lower case in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-string-and-print-the-string-in-lower-case-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  #include<string.h>  
  main()  
  {  
  char \*s1;  
  clrscr();  
  printf("Enter string: ");  
  scanf("%s",s1);  
  printf("String in lower case : %s",strlwr(s1));  
  getch();  
  }
* [Write a program to accept a string and print no. of aphlabets, digits, special symbols present in it in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-string-and-print-no-of-aphlabets-digits-special-symbols-present-in-it-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<ctype.h>  
  main()  
  {  
  char \*s;  
  int i,alpha=0,digit=0,symbol=0;  
  clrscr();  
  printf("Enter string : ");  
  scanf("%s",s);  
  for(i=0;s[i]!=’\0′;i++)  
     
  if(isalpha(s[i]))  
  alpha++;  
  else if(isdigit(s[i]))  
  digit++;  
  else  
  symbol++;  
     
  printf("\nAphabets : %d",alpha);  
  printf("\nDigits : %d",digit);  
  printf("\nSymbols : %d",symbol);  
  getch();  
  }
* [Write a program to accept two strings and compare them in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-strings-and-compare-them-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<string.h>  
  main()  
  {  
  char \*s1,\*s2;  
  clrscr();  
  printf("Enter string 1 : ");  
  scanf("%s",s1);  
  printf("Enter string 2 : ");  
  scanf("%s",s2);  
     
  if(strcmp(s1,s2)>0)  
  printf("\nString 1 is greater..");  
  else if(strcmp(s1,s2)<0)  
  printf("\nString 2 is greater..");  
  else  
  printf("\nStrings are equal..");  
     
  getch();  
  }
* [Write a program to accept two strings and concatenate them in C language](http://www.kodegod.com/resources/write-a-program-to-accept-two-strings-and-concatenate-them-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<string.h>  
  main()  
  {  
  char \*s1,\*s2;  
  clrscr();  
  printf("Enter string 1 : ");  
  scanf("%s",s1);  
  printf("Enter string 2 : ");  
  scanf("%s",s2);  
  printf("\nCocatinated string is…%s",strcat(s1,s2));  
  getch();  
  }
* [Write a program to accept a string and copy it into another string in C language](http://www.kodegod.com/resources/write-a-program-to-accept-a-string-and-copy-it-into-another-string-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<string.h>  
  main()  
  {  
  char \*s1,\*s2;  
  clrscr();  
  printf("Enter string 1 : ");  
  scanf("%s",s1);  
  strcpy(s2,s1);  
  printf("\nCopied string is…%s",s2);  
  getch();  
  }
* [Write a program to print length of a given string in C language](http://www.kodegod.com/resources/write-a-program-to-print-lenght-of-a-given-string-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,len=0;  
  char \*s;  
  clrscr();  
  printf("Enter the string….");  
  scanf("%s",s);  
  for(i=0;s[i]!=’\0′;i++)  
  len++;  
  printf("The lenth of the string is…%d",len);  
  getch();  
  }
* [Write a program to copy a string into another string in C language](http://www.kodegod.com/resources/write-a-program-to-copy-a-string-into-another-string-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i;  
  char \*s1,\*s2;  
  clrscr();  
  printf("Enter the string 1….");  
  scanf("%s",s1);  
  for(i=0;s1[i]!=’\0′;i++)  
  {  
  s2[i]=s1[i];  
  }  
  s2[i]=’\0′;  
  printf("The copied string is…%s",s2);  
  getch();  
  }
* [Write a program to convert given string to UPPER CASE in C language](http://www.kodegod.com/resources/write-a-program-to-convert-given-string-to-upper-case-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i;  
  char \*s1;  
  clrscr();  
  printf("Enter the string 1….");  
  scanf("%s",s1);  
     
  for(i=0;s1[i]!=’\0′;i++)  
  {  
  if((s1[i]>=’a’)&&(s1[i]<=’z’))  
  s1[i]=s1[i]-32;  
  }  
  printf("Resultant string is…%s",s1);  
  getch();  
  }
* [Write a program to convert givern string to lower case in C language](http://www.kodegod.com/resources/write-a-program-to-convert-givern-string-to-lower-case-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i;  
  char \*s1;  
  clrscr();  
  printf("Enter the string 1….");  
  scanf("%s",s1);  
     
  for(i=0;s1[i]!=’\0′;i++)  
  {  
  if((s1[i]>=’A’)&&(s1[i]<=’Z’))  
  s1[i]=s1[i]+32;  
  }  
     
  printf("Resultant string is…%s",s1);  
  getch();  
  }
* [Write a program to concatinate two strings in C language](http://www.kodegod.com/resources/write-a-program-to-concatinate-two-strings-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,len=0,j;  
  char \*s1,\*s2;  
  clrscr();  
  printf("Enter the string 1….");  
  scanf("%s",s1);  
  printf("Enter the string 2….");  
  scanf("%s",s2);  
     
  for(i=0;s1[i]!=’\0′;i++)  
  {  
  len++;  
  }  
  j=0;  
  for(i=len;s2[j]!=’\0′;i++)  
  {  
  s1[i]=s2[j];  
  j++;  
  }  
  s1[i]=’\0′;  
     
  printf("Resultant string is…%s",s1);  
  getch();  
  }
* [Write a program to count no, of alphlabets, digits, special symbols in C language](http://www.kodegod.com/resources/write-a-program-to-count-no-of-alphlabets-digits-special-symbols-in-c-language/)  
     
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,alpha=0,digit=0,symbol=0;  
  char \*s;  
  clrscr();  
  printf("Enter the string 1….");  
  scanf("%s",s);  
     
  for(i=0;s[i]!=’\0′;i++)  
  {  
  if(((s[i]>=’A’)&&(s[i]<=’Z’))||((s[i]>=’a’)&&(s[i]<=’z’)))  
  alpha++;  
  else if((s[i]>=’0’)&&(s[i]<=’9’))  
  digit++;  
  else  
  symbol++;  
  }  
  printf("\nAlphabets : %d",alpha);  
  printf("\nDigits : %d",digit);  
  printf("\nSymbols : %d",symbol);  
  getch();  
  }
* [Write a program to compare two strings in C language](http://www.kodegod.com/resources/write-a-program-to-compare-two-strings-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  #include<process.h>  
  main()  
  {  
  int i;  
  char \*s1,\*s2;  
  clrscr();  
  printf("Enter the string 1….");  
  scanf("%s",s1);  
  printf("Enter the string 2….");  
  scanf("%s",s2);  
     
  for(i=0;s1[i]!=’\0′;i++)  
  {  
  if(s1[i]!=s2[i])  
  {  
  if(s1[i]>s2[i])  
  printf("\nString 1 is greater…");  
  else  
  printf("\nString 2 is greater…");  
  getch();  
  exit(0);  
  }  
  }  
  printf("String are equal….");  
  getch();  
  }
* [Write a program to count all vowels present in the string in C language](http://www.kodegod.com/resources/write-a-program-to-count-all-vowels-present-in-the-string-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,vowel=0;  
  char \*s;  
  clrscr();  
  printf("Enter the string 1….");  
  scanf("%s",s);  
     
  for(i=0;s[i]!=’\0′;i++)  
  {  
  if((s[i]==’A’)||(s[i]==’E’)||(s[i]==’O’)||(s[i]==’U’)||(s[i]==’I’)||  
  (s[i]==’a’)||(s[i]==’e’)||(s[i]==’o’)||(s[i]==’u’)||(s[i]==’i’))  
  vowel++;  
  }  
  printf("\nVowels : %d",vowel);  
  getch();  
  }
* [Write a program to reverse the given string in C language](http://www.kodegod.com/resources/write-a-program-to-reverse-the-given-string-in-c-language/)  
  #include<stdio.h>  
  #include<conio.h>  
  main()  
  {  
  int i,j,len=0;  
  char \*s1,\*s2;  
  clrscr();  
  printf("Enter the string ….");  
  scanf("%s",s1);  
  for(i=0;s1[i]!=’\0′;i++)  
  len++;  
  j=0;  
  for(i=len-1;i>=0;i–)  
  {  
  s2[j]=s1[i];  
  j++;  
  }  
  s2[j]=’\0′;  
  printf("\nReversed String : %s",s2);  
  getch();  
  }
* [Write a program to check if the given string is palindrome or not](http://www.kodegod.com/resources/write-a-program-to-check-if-the-given-string-is-palindrome-or-not/) E.g. NITIN, LIRIL, MALAYALAM.

#include<stdio.h>  
#include<conio.h>  
#include<process.h>  
main()  
{  
int i,j,len=0;  
char \*s1,\*s2;  
clrscr();  
printf("Enter the string ….");  
scanf("%s",s1);  
for(i=0;s1[i]!=’\0′;i++)  
len++;  
j=0;  
for(i=len-1;i>=0;i–)  
{  
s2[j]=s1[i];  
j++;  
}  
s2[j]=’\0′;  
for(i=0;s1[i]!=’\0′;i++)  
if(s1[i]!=s2[i])  
{  
printf("\nNot a palindrome");  
getch();  
exit(0);  
}  
printf("Palindrome");  
getch();  
}

* [Define a structure Employee having elements emp\_id, name,etc. Accept data and reprint it](http://www.kodegod.com/resources/define-a-structure-employee-having-elements-emp_id-nameetc-accept-data-and-reprint-it/)  
  #include<stdio.h>  
  #include<conio.h>  
     
  struct Employee  
  {  
  char name[50];  
  int emp\_id;  
  long phone\_no;  
  };  
     
  main()  
  {  
  struct Employee e;  
  clrscr();  
  printf("Enter name : ");  
  scanf("%s",&e.name);  
  printf("Enter emp\_id: ");  
  scanf("%d",&e.emp\_id);  
  printf("Enter Phone Number: ");  
  scanf("%ld",&e.phone\_no);  
     
  printf("\n\nEnter name : %s",e.name);  
  printf("\n\nEnter Emp Id : %d",e.emp\_id);  
  printf("\n\nEnter Phone Number : %ld ",e.phone\_no);  
     
  getch();  
  }
* [Define a structure Student having fields roll\_no, name, marks, etc, for 5 students, accept data and reprint](http://www.kodegod.com/resources/define-a-structure-student-having-fields-roll_no-name-marks-etc-for-5-students-accept-data-and-reprint/)  
     
  #include<stdio.h>  
  #include<conio.h>  
     
  struct Student  
  {  
  char name[50];  
  int roll\_no;  
  int m1,m2,m3;  
  };  
     
  main()  
  { int i;  
  struct Student s[5];  
  clrscr();  
  for(i=0;i<5;i++)  
  { printf("\nEnter data for Student %d…..\n",i+1);  
  printf("Enter name : ");  
  scanf("%s",&s[i].name);  
  printf("Enter Roll No. : ");  
  scanf("%d",&s[i].roll\_no);  
  printf("Enter marks for sub1 : ");  
  scanf("%d",&s[i].m1);  
  printf("Enter marks for sub2 : ");  
  scanf("%d",&s[i].m2);  
  printf("Enter marks for sub3 : ");  
  scanf("%d",&s[i].m3);  
  }  
     
  for(i=0;i<5;i++)  
  { printf("\nStudent %d\n",i+1);  
  printf("Name : %s\n",s[i].name);  
  printf("Roll No.: %d\n",s[i].roll\_no);  
  printf("Sub1 : %d\n",s[i].m1);  
  printf("Sub2 : %d\n",s[i].m2);  
  printf("Sub3 : %d\n",s[i].m3);  
  }  
     
  getch();  
  }
* [Define a structure Employee having elements emp\_id, name, DOB, DOJ etc. Accept data and reprint it. (use structure within structure)](http://www.kodegod.com/resources/define-a-structure-employee-having-elements-emp_id-name-dob-doj-etc-accept-data-and-reprint-it-use-structure-within-structure/)  
  #include<stdio.h>  
  #include<conio.h>  
     
  struct Date  
  {  
  int mm,dd,yy;  
  };  
     
  struct Employee  
  {  
  char name[50];  
  int emp\_id;  
  struct Date DOB,DOJ;  
  };  
     
  main()  
  { int i;  
  struct Employee e;  
  clrscr();  
  printf("\nEnter name : ");  
  scanf("%s",&e.name);  
  printf("\nEnter emp\_id. : ");  
  scanf("%d",&e.emp\_id);  
  printf("\nEnter Date of Joining\n ");  
  printf("(dd-mm-yy) : ");  
  scanf("%d-%d-%d", &e.DOJ.dd,&e.DOJ.mm,&e.DOJ.yy);  
  printf("\nEnter Date of birth\n ");  
  printf("(dd-mm-yy) : ");  
  scanf("%d-%d-%d", &e.DOB.dd,&e.DOB.mm,&e.DOB.yy);  
     
  printf("\nName : %s",e.name);  
  printf("\nEmployee ID : %d",e.emp\_id);  
  printf("\nEnter DOJ : %d-%d-%d", e.DOJ.dd,e.DOJ.mm,e.DOJ.yy);  
  printf("\nEnter DOB : %d-%d-%d", e.DOB.dd,e.DOB.mm,e.DOB.yy);  
     
  getch();  
  }