```c
/* program for class 10 students of typedef & cast change */

#include<stdio.h>
#include<conio.h>

#define PI 3.14


const int a=12;

typedef int che;

const int c=34;

void main()
{
    che b;
    float d=23.765;
    clrscr();
    b=a;
    b=b+1;
    b=(che)d;
    printf("%f %d %d",(float)a,b,c);
    getch();
}
```

```c
/* program for class 10 students of typedef & cast change */

#include<stdio.h>
#include<conio.h>

#define pi 3.14


const int a=12;

//typedef int cherry;

const int c=34;

void main()
{
    static cherry b,q;
    float d=23.765;
    clrscr();
    b=a;
    b=b+1;
    b=d;
    printf("%f %d %d %d",float(a),b,c,q);
    getch();
}
```

```c
/* program for class 10 students of typedef & cast change */

#include<stdio.h>
#include<conio.h>
```

```c
#define PI 3.14


const int a=12;

//typedef int cherry;

const int c=34;

void main()
{
    static int b,q;
    float d=23.765;
    clrscr();
    b=a;
    b=b+1;
    b=d;
    printf("%f %d %d %d",(float)a,b,c,q);
    getch();
}
```

/* PROGRAM OF AVERAGE OF 5 INPUT NUMBERS */

```c
#include<stdio.h>
#include<conio.h>

#define NUM 5

void main()
{
        int n1,n2,n3,n4,n5;
        float ave;
        clrscr();
        n1=23;
        n2=44;
        n3=18;
        n4=5;
        n5=12;
        ave=(float)(n1+n2+n3+n4+n5)/NUM;
        printf("the average = %f",ave);
        getch();
}

#include<stdio.h>
#include<conio.h>
void main()
{
        int age;
        char sex;
        clrscr();
        printf(" Enter ur sex (m/f) = ");
        scanf(" %c",&sex);
        printf(" Enter ur age = ");
        scanf("%d",&age);
```

```c
        ( (sex=='m') ? (((age >= 14)&&(age<=18)) ? (printf(" \n you can do job")) : (printf("\n sorry you can't follow the
age "))):(printf("sorry u are female"))) ;
        getch();
}

#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        a=13;
        b=4;
        printf("a= %d b= %d c= %d",a,b,c);
        c=b++;
        b=a++;
        a=++b;
        printf("\n a= %d b= %d c= %d",a,b,c);
        getch();
}

#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        a=13;
        b=4;
        printf("a= %d b= %d c= %d",a,b,c);
        c = b++ + ++a - b ;
        printf("\n a= %d b= %d c= %d",a,b,c);
        getch();
}

#include<stdio.h>
#include<conio.h>
void main()
{
        int a,h,b;
        clrscr();
        printf("enter the value of a");
        scanf("%d",&a);
        printf("enter the value of h");
        scanf("%d",&h);
        b=.5*a*h;
        printf("%d",b);
        getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
```

```c
        float a,b,c,d,e,f;
        clrscr();
        printf("ENTER ANY TWO NUMBERS = ");
        scanf("%f%f",&a,&b);
        c=a+b;
        d=a*b;
        e=a-b;
        f=a/b;
        printf("sum =  %.1f Rs",c);
        printf("\n mul = %.1f Rs",d);
        printf("\n div = %.4f",f);
        printf("\n sub = %.1f",e);
        getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("--------------              --------------\n");
printf("|          |          |          |\n") ;
printf("| input box   | >>>--------> | process box |\n");
printf("|          |          |          |\n");
printf("--------------              -------------- ");
getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        clrscr();
        printf("hello \a\"R\fAJ\rEEV\tKU\0MAR\tGUPTA\" ");
        printf("\nhow \vare u ?");
        printf("\n \a i am\b  'FINE'.");
        getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("\a\t\t\t\t\t\t5*1=5");
printf("\n\a\a\t\t\t\t\t\t5*2=10");
printf("\n\a\a\a\t\t\t\t\t\t5*3=15");
getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
```

```c
void main()
{
        int num=8;
        clrscr();
        printf("enter any number = ");
        scanf("%i",&num);
        printf(" %d * 1 = %d",num,num*1);
        printf("\n %d * 2 = %d",num,num*2);
        printf("\n %d * 3 = %d",num,num*3);
        printf("\n %d * 4 = %d",num,num*4);
        printf("\n %d * 5 = %d",num,num*5);
        printf("\n %d * 6 = %d",num,num*6);
        printf("\n %d * 7 = %d",num,num*7);
        printf("\n %d * 8 = %d",num,num*8);
        printf("\n %d * 9 = %d",num,num*9);
        printf("\n %d * 10 = %d",num,num*10);
        getch();
}


//prg of solving quadratic equation
#include<stdio.h>
#include<conio.h>
#include<math.h>
void main()
{
        float a,b,c,d,r1,r2;
        clrscr();
        printf("\tSOLVING A QUADRATIC EQUATION\t\n");
        printf("Enter values of a , b , c = ");
        scanf("%f %f %f",&a, &b, &c);
        d=b*b - 4*a*c;
        if(d<0)
        {
        printf("Roots are imaginary\n");
        }
        else
        {
                r1 = (-b+sqrt(d))/(2.0*a);
                r2 = (-b-sqrt(d))/(2.0*a);
                printf("\n\nRoot1 = %5.2f\n\nRoot2 = %5.2f\n",r1,r2);
        }
        getch();
}

#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<math.h>

void menu();
void btod();
void btoo();
void btoh();

void main()
```

```c
{
        //char ch;
        clrscr();
        menu();
        printf("bye");
        getchar();
        //printf("%c",ch);
//      getch();
}
void menu()
{
        int ch;
        clrscr();
        printf("\t\t\t\t CONVERSION PROGRAMME \n");
        printf("\t\t\t\t ==================== \n\n\n\n\n");
        printf(" 1. FROM BINARY TO DECIMAL \n");
        printf(" 2. FROM BINARY TO OCTAL   \n");
        printf(" 3. FROM BINARY TO HEXA    \n");
        printf(" 4. EXIT                \n");
        printf("\n\n\n Enter ur choice = ");
        scanf("%d",&ch);
        switch(ch)
        {
                case 1:
                        {
                        btod();
                        break;
                        }
                case 2:
                        {
                        btoo();
                        break;
                        }
                case 3:
                        {
                        btoh();
                        break;
                        }
                case 4:
                        {
                        //exit();
                        break;
                        }
                default:
                        {
                        printf("\n\n\n Please enter right choice ");
                        }
        }
}
void btod()
{
        int i,j,base = 2,res=0;
        int str[10];
        int len;
        clrscr();
        printf("Enter the lenght of binary number = ");
```

```c
            scanf("%d",&len);
            printf("enter any binary number = ");
            for(i=0;i<len;i++)
            {
                    scanf("%d",&str[i]);
            }
            for(i=0,j=len;i<len;i++,j--)
            {
                res=res + (str[j-1]*pow(base,i));
            }
            printf("\n the ans = %d",res);
}


void btoo()
{
            int i,j,base = 2,rem;
            long int res=0;
            int str[15],rev[4];
            int len,count;
            clrscr();
            printf("Enter the lenght of binary number = ");
            scanf("%d",&len);
            printf("enter any binary number = ");
            for(i=0;i<len;i++)
            {
                    scanf("%d",&str[i]);
            }
            for(i=0,j=len;(i<len);i++,j--)
            {
                res = res + (str[j-1]*pow(base,i));
            }
            printf("\n %ld \n",res);

            i=0;
            count=0;
            while(res > 0)
            {
                    count++;
                    rem=res%8;
                    res=res/8;
                    rev[i]=rem;
                    i++;
            }
            while(count>0)
            {
                    printf("%d",rev[count-1]);
                    count--;
            }
}

void btoh()
{
             int i,j,base = 2,rem;
            long int res=0;
            int str[15],rev[4];
```

```c
int len,count;
clrscr();
printf("Enter the lenght of binary number = ");
scanf("%d",&len);
printf("enter any binary number = ");
for(i=0;i<len;i++)
{
            scanf("%d",&str[i]);
}
for(i=0,j=len;(i<len);i++,j--)
{
    res = res + (str[j-1]*pow(base,i));
}
printf("\n %ld \n",res);
i=0;
count=0;
while(res > 0)
{
            count++;
            rem=res%16;
            res=res/16;
            rev[i]=rem;
            i++;
}
while(count>0)
{
            if(rev[count-1]>=10 && rev[count-1]<=15)
            {
            switch(rev[count-1])
            {
                    case 10:
                    {
                    printf("A");
                    break;
                    }
                    case 11:
                    {
                    printf("B");
                    break;
                    }
                    case 12:
                    {
                    printf("C");
                    break;
                    }
                    case 13:
                    {
                    printf("D");
                    break;
                    }
                    case 14:
                    {
                    printf("E");
                    break;
                    }
                    case 15:
```

```c
                        {
                        printf("F");
                        break;
                        }
                }
                }
                else
                {
                        printf("%d",rev[count-1]);
                }
                count--;
        }

}




#include <stdio.h>
#include <conio.h>
void main()
{
float a=-65;
    float b=-100;
    clrscr();
    printf("%f / %f = %f ",a,b,a/b);
    getch();
}




#include<stdio.h>
#include<conio.h>
void main()
{
        int a=5;
        if(a==15)
        {printf("hi ");}
        printf("vibhav ");
        printf("bye");
        getch();

}




#include<stdio.h>
#include<conio.h>
int add(int * ,int *);
void main()
{
int a,b,r;
printf("enter the number");
scanf("%d%d",&a,&b);
//r=add(&a,&b);
//printf("%d",r);
```

```c
printf("the value of a = %d",a);
printf("\n the add of a =%u",&a);
r=add(&a,&b);
printf("   %d",r);
//getch();
}
int add(int *x, int *y)
{
int z;
z=*x+*y;
return(z);
}


#include<stdio.h>
#include<conio.h>
void main()
{
char name[20]="atul";
int i;
clrscr();
for(i=0;i<20;i++)
{
printf("%c",name[i]);
}
getch();
}


#include<stdio.h>
void add(int,int);
void main()
{
    int x,y,i,j;
    clrscr();
    x=10;
    y=20;
    add(x,y);
    getch();
}
    void add(int i,int j)
  {
    int sum;
    sum=i+j;
    printf("sum=%d",sum);
    }


#include<stdio.h>
#include<conio.h>
void main()
{
int a[5][2],i,j,sum=0;
clrscr();
for(i=0;i<5;i++)
{
```

```c
		for(j=0;j<2;j++)
		{
		printf("enter the no=");
		scanf("%d",&a[i][j]);
		sum=sum+a[i][j];
		}
}
printf("sum=%d",sum);
getch();
}



#include<stdio.h>
#include<conio.h>
void main()
{
int name[5];
int i;
clrscr();
for(i=0;i<7;i++)
{
scanf("%d",&name[i]);
}
for(i=0;i<7;i++)
{
printf("%d",name[i]);
}
getch();
}



#include<stdio.h>
#include<conio.h>

		int add(int ,int );
		int sub(int ,int );
		int mul(int ,int );
		int div(int ,int );
		void main()
		{
		 int a,b,p,q;

		  clrscr();
		  printf("Enter the one number::");
		  scanf("%d",&a);
		  printf("Ennter the second number::");
		  scanf("%d",&b);
		  printf("\n 1:add number::");
		  printf("\n 2:sub number::");
		  printf("\n 3:mul number::");
		  printf("\n 4:div number::");
		  printf("\ndo u any choise::");
		  scanf("\n%d",&p);
		  switch(p)
		  {
		   case 1:
```

```c
            {
             q=add(a,b);
            printf("the sum=%d",q);
            break;
            }
        case 2:
            {
            q= sub(a,b);
            printf("the sub=%d",q);
            break;
            }
        case 3:
            {
            q=mul(a,b);
            printf("the mul=%d",q);
            break;
            }
        case 4:
            {
            q=div(a,b);
            printf("the div=%d",q);
            break;
            }
            default:
            {
             printf("it's not possiable");
            }
        }
    getch();
    }
        int add(int m,int n)
        {
         int k;
        k=m+n;
        return(k);
        }
        int sub(int m,int n)
        {
        int k;
        k=m-n;
        return(k);
        }
        int mul(int m,int n)
        {
        int k;
        k=m*n;
        return(k);
        }
        int div(int m,int n)
        { int k;
            k=m/n;
            return(k);
            }



    #include<stdio.h>
```

```c
void main()
{
    int i,x,sum=0,avg;
    clrscr();
    printf("enter the number :");
    scanf("%d",&i);
    for(i=0;i<=10;i++)
  {
    printf("x= ");
    scanf("%d",&x);
    sum+=x;
  }
    avg=sum/10;
    printf("\navg=%d\n",avg);
    getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int i;
clrscr();
for(i=1;i<11;i++)
        {
                if(i==6)
                {
                        break;
                }
        printf("%d",i);
}
getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
int arr[10],t;

void sort(int [],int);
void disp();
void accept();

void main()
{

        clrscr();
        accept();
        sort(arr,t);
        disp();
        getch();

}
void accept()
{
        int i;
        printf("Please enter the number of terms to sort = ");
```

```c
            scanf("%d",&t);
            for(i=0;i<t;i++)
            {
                        printf("enter %d = ",i);
                        scanf("%d",&arr[i]);
            }
}

void sort(int arr[],int n)
{

            int i,j,k,temp;
            for(i=0;i<n;i++)
            {
                        for(j=n-1;j>i;j--)
                        {
                                    if(arr[j-1]>arr[j])
                                    {
                                                temp=arr[j];
                                                arr[j]=arr[j-1];
                                                arr[j-1]=temp;

                                    }
                        }
            }
}
void disp()
{
            int i;
            printf("after selection sort -----> ");
            for(i=0;i<t;i++)
            {

                        printf("\n %d",arr[i]);
            }
}

#include<stdio.h>
#include<conio.h>
void add(int *,int *);
void main()
{
            int a,b;
            clrscr();
            printf("\n\n value of a = %d \n value of b = %d ",a,b);
            printf("\n\n address of a = %d \n address of b = %d ",&a,&b);
            printf("enter two number = ");
            scanf("%d%d",&a,&b);
            add(&a,&b);
            printf("\n\n new value of a = %d \n new value of b = %d ",a,b);
            getch();
}
void add(int *x,int *y)
{
            int z;
            z= *x + *y;
```

```c
        printf("%d",z);
//      printf("\n\n a = %d \n b = %d ",a,b);
        printf("\n\n x = %d \n y = %d ",*x,*y);
        (*x)++;
        (*y)++;
        printf("\n\n x = %d \n y = %d ",*x,*y);
}


#include<stdio.h>
#include<conio.h>
int a,b;
void add(int,int);
void main()
{
        //int a,b;
        clrscr();
        printf("\n\n old value of a = %d \n old value of b = %d ",a,b);
        printf("enter two number = ");
        scanf("%d%d",&a,&b);
        add(a,b);
        printf("\n\n new value of a = %d \n new value of b = %d ",a,b);

        getch();
}
void add( a, b)
{
        int z;
        z=a+b;
        printf("%d",z);
//      printf("\n\n a = %d \n b = %d ",a,b);
        printf("\n\n x = %d \n y = %d ",a,b);
        a++;
        b++;
        printf("\n\n x = %d \n y = %d ",a,b);
}


#include<stdio.h>
void main()
{
        char a[10];
        int i=0;
        clrscr();
        puts("enter ur name ");
        gets(a);

        while(a[i]!='\0')
        {
                printf("%c",a[i]);
                i++;
        }
        getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        const size =10;
        int i;
        int arr[size];
        clrscr();
        for(i=0;i<size;i++)
        {
                scanf("%d",&arr[i]);
        }
        for(i=0;i<size;i++)
        {
                printf("%d",arr[i]);
        }
        getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
void main()
{
int i,j;
clrscr();
for(i=1;i<11;i++)
{
        for(j=1;j<11;j++)
        {
                if(i==j)
                {
                continue;
                }
        printf("%d%d",i,j);
        }
}
getch();
}
```

```c
#include<stdio.h>
#include<string.h>
#include<conio.h>
        void main()
        {
                char str1[5],str2[5];
                clrscr();
                printf("enter the two value string:::");
                gets(str1);
                gets(str2);
                strcpy(str1,str2);
                printf("%s",str1);
         getch();
```

```c
            }

#include<stdio.h>
void main()
{
            float cp,sp,profit,loss;
            clrscr();
            printf("\nEnter The Cost Price Of Item\n");
            scanf("%f",&cp);
            printf("\nEnter The Selling Price Of Item\n");
            scanf("%f",&sp);

            if(cp>sp)
          {
            printf("\nSeller Has Made Loss");
            loss=cp-sp;
            printf("\nLoss Is %f",loss);

          }
            else
          {
            printf("\nSeller Has Made Profit");
            profit=sp-cp;
            printf("\nProfit Is %f",profit);
          }

            getch();
}


#include<stdio.h>
#include<conio.h>

void main()
{
  int length,width;
  float area;
  clrscr();
  printf("Enter the length of rectangle: ");
  scanf(" %d", &length);
  printf("Enter the width of rectangle: ");
  scanf(" %d", &width);
  area=2*(length+width);
  printf("\n Area of triangle: %f", area);
  getche();
}

#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
printf("enter any no=");
scanf("%d",&a);
if(a%2==0)
```

```c
        {
        printf("the no is even");
        }
else
        {
        printf("the no is odd");
        }
getch();
}

#include<stdio.h>
#include<conio.h>
        void main()
        {
                int i;
           char s='y';
            clrscr();
            do
            {
                printf("enter the number");
                scanf("%d",&i);
                printf("\n do you want any number(y/n)= ");
                fflush(stdin);
                scanf(" %c",&s);
            }while((s=='y')||(s=='Y'));
            printf("buy buy");
            //getch();
        }

#include<stdio.h>
#include<conio.h>
void main()
{
  int radius;
  float area;
  const float pi = 3.14;
  clrscr();
  printf("\t Enter the radius of circle: ");
  scanf(" %d" , &radius);
  area = pi*radius*radius;
  printf("\n\t\b Area of circle = %f", area);
  getche();
}




#include<stdio.h>
#include<conio.h>

void main()
{
  int base,perp;
  float area;
  clrscr();
  printf("Enter the base of triangle: ");
  scanf(" %d", &base);
```

```c
    printf("\n Enter perpendicular from up: ");
    scanf(" %d", &perp);
    area = base*perp/2;
    printf("\n Area of triangle: %f", area);
    getche();
}


#include<stdio.h>
#include<conio.h>

void main()
{
    int side;
    float area;
    clrscr();
    printf("Enter the side of square: ");
    scanf(" %d", &side);
    area = side*side;
    printf("\n Area of triangle: %f", area);
    getche();
}


#include<stdio.h>
#include<conio.h>

void main()
{
    int m1,m2,m3,m4,m5,sum,percent;
    clrscr();
    printf("Enter marks in five subjects: ");
    scanf(" \n %d", &m1);
    scanf(" \n %d", &m2);
    scanf(" \n %d", &m3);
    scanf(" \n %d", &m4);
    scanf(" \n %d", &m5);
    sum = m1+m2+m3+m4+m5;
    percent = sum/5;
    printf("Total marks: %d", sum);
    printf("\n Percentage marks: %d", percent);
    getche();
}


#include<stdio.h>
#include<conio.h>

void main()
{
    int a,b,x,y;
    clrscr();
    printf("Enter value for a: ");
    scanf(" %d", &a);
    printf("\nEnter value for b: ");
```

```c
    scanf(" %d", &b);
  if(a>b)
            printf("Value of a is greater than b.");
  else
  {
            if(a<b)
                        printf("values of a is less than b.");
             else
                        printf("Values of a and b are equal.");
            }
  getche();
}



#include<stdio.h>
#include<conio.h>

void main()
{
  int a,b,x,y;
  clrscr();
  printf("Enter value for a: ");
  scanf(" %d", &a);
  if(a>0)
            printf("\n Value of a is Positive.");
  else
  {
            if(a<0)
                        printf("\n Values of a is Negative.");
             else
                        printf("\n Values of a = 0");
            }
  getche();
}

#include<stdio.h>
#include<conio.h>

void main()
{
  int a,b,c,x;
  clrscr();
  printf(" Enter value for a: ");
  scanf(" %d", &a);
  printf("\n Enter value for b: ");
  scanf(" %d", &b);
  printf("\n Enter value for c: ");
  scanf(" %d", &c);
  if(a<b)
  {
   x = a;
   a = b;
   b = x;
  }
  if(a<c)
  {
```

```c
   x = a;
   a = c;
   c = x;
 }
 printf(" Greatest value is among three is: %d", a);
 getche();
}



#include<stdio.h>
void main()
{
    int x,y,pro,facy;
    clrscr();
    printf("enter the value of y :");
    scanf("%d",&y);

    x=y;
    while(x>1)
  {
    x--;
    pro=x*y;
    y=pro;
  }
    printf("facy=%d",y);
    getch();
}

#include<stdio.h>
#include<conio.h>
         int fact(int);
         void main()
         {
         int n,a;
         clrscr();
         printf("enter any require facttorial number:::::");
         scanf("%d",&n);
         a=fact(n);
         printf("factorial is=%d",a);
         getch();
         }
         int fact(int m)
         { int k,t=1;
            for(k=1;k<=m;k++)
            t=t*k;
             return(t);
          }


#include<stdio.h>
#include<conio.h>

int fact(int );

void main()
{
```

```c
  int n,f;
  clrscr();
  printf("Entr the no.: ");
  scanf(" %d", &n);
  f=fact(n);
  printf("Factorial of no. is: %d",f);
  getche();
}

/*  int fact(int x)
{
  int i,j=1;
  if(x==1)
     return 1;
  else
  {
     for(i=1;i<=x;i++)
              j=j*i;
     return j;
  }
} */

/* int fact(int x)
{
  int i,j=1;
  if(x==1)
     return 1;
  else
  {
     for(i=x;i>0;i--)
              j=j*i;
     return j;
  }
} */

int fact(int x)
{
   int f;
   if(x==1)
     return x;
   else
     f= x*fact(x-1);
   return f;
}

#include<stdio.h>
#include<conio.h>
void main()
{
        FILE *p;
        int i;
        char ch;
        p=fopen("mallu.dat","w");
        for(i=0;i<10;i++)
        {
         ch=getch();
```

```
         fputc(ch,p);
         }
         fclose(p);
}

#include<stdio.h>
#include<conio.h>
void main()
{
         FILE *p;
         int i;
         char ch;
         p=fopen("mallu.dat","w");
         clrscr();
         printf(" enter 10 characters = \n   ");
         for(i=0;i<10;i++)
         {
          scanf(" %c",&ch);
          fputc(ch,p);
         }
         fclose(p);
}




#include<stdio.h>
#include<conio.h>
void main()
{
         FILE *p,*q;
         int i;
         char ch;
         p=fopen("mallu.dat","w+");
         q=fopen("lallu.dat","w");
         clrscr();
         printf(" enter 10 characters = \n   ");
         for(i=0;i<10;i++)
         {
          scanf(" %c",&ch);
          fputc(ch,p);
         }
         rewind(p);
         while(!feof(p))
         {
                  ch=fgetc(p);
                  fputc(ch,q);
         }
         fclose(p);
         fclose(q);
}


#include<stdio.h>
#include<conio.h>
void main()
{
```

```c
            FILE *p,*q;
            int i;
            char ch[20];
            p=fopen("mallu.dat","w+");
            q=fopen("lallu.dat","w");
            clrscr();
            printf(" enter 10 names = \n   ");
            for(i=0;i<10;i++)
            {
             printf(" name %d =",i);
             gets(ch);
             fputs(ch,p);
            }
            rewind(p);
            while(!feof(p))
            {
                        fgets(ch,20,p);
                        fputs(ch,q);
            }
            fclose(p);
            fclose(q);
}

#include<stdio.h>
#include<conio.h>
void main()
{
            FILE *p,*q;
            int i;
            char ch[20];
            p=fopen("mallu.dat","w+");
            q=fopen("lallu.dat","w");
            clrscr();
            printf(" enter 10 names = \n   ");
            for(i=0;i<10;i++)
            {
             printf(" name %d =",i);
             gets(ch);
             fputs(ch,p);
            }
            rewind(p);
            while(!feof(p))
            {
                        fgets(ch,20,p);
                        printf("%s",ch);
            }
            fclose(p);
            fclose(q);
}


#include<stdio.h>
#include<conio.h>
void main()
{
            FILE *sf,*tf;
```

```c
        int i;
        char ch[20];
        sf=fopen("mallu.dat","r");
        tf=fopen("lallu.dat","r");
        clrscr();
        if(tf != NULL)
        {
                printf("file  lallu.dat already exit ");
                printf(" Refuse the copy operation ");
        }
        else
        {
                tf=fopen("lallu.dat","w");
                while(!feof(sf))
                {
                fgets(ch,20,sf);
                fputs(ch,tf);
                }
                remove("mallu.dat");
        }
        fclose(sf);
        fclose(tf);
}

#include<stdio.h>
#include<conio.h>
void main()
{
FILE *p;
char nm[20];
int roll,marks;
int i;
clrscr();
p=fopen("xyz.dat","a+");
for(i=0;i<=1;i++)
{
printf("enter data");
scanf("%d%s%d",&roll,nm,&marks);
fprintf(p,"%d %s %d",roll,nm,marks);
}
rewind(p);
fclose(p);
p=fopen("xyz.dat","r");
while(!feof(p))
{
fscanf(p,"%d%s%d",&roll,nm,&marks);
printf("%d%s%d",roll,nm,marks);
}
fclose(p);
getch();
}



#include<stdio.h>
#include<conio.h>
```

```c
void main()
{
int i,j,a,b,c;
clrscr();
for(i=1;i<11;i++)
        {
        printf("atul\t");
        }
printf("\n");
for(i=1;i<11;i++)
        {
        printf("%d\t",i);
        }
printf("\n");
printf("enter a table no=");
scanf("%d",&a);
for(i=1;i<11;i++)
        {
        printf("%d\t",i*a);
        }
printf("enter any five digit no=");
scanf("%d",&b);
for(i=1;i<6;i++)
        {
        c=b%10;
        printf("%d",c);
        b=b/10;
        }
printf("\n");
for(i=1;i<=7;i++)
        {
        for(j=1;j<=i;j++)
                {
                printf("*");
                }
        printf("\n");
        }

getch();
}

#include<stdio.h>
#include<conio.h>
void main()
{
int i,a,b,c,sum=0;
printf("enter five digit no=");
scanf("%d",&a);
for(i=1;i<=5;i++)
        {
        b=a%10;
        sum=sum+b;
        a=a/10;
        }
printf("sum=%d",sum);
 getch();
```

```c
}


#include<stdio.h>
 #include<conio.h>
 main()
 {
        int a,b=4,c=1,i,j,k;
        clrscr();
        for(i=0;i<5;i++)
                      {
                for(j=1;j<=b;j++)
                              {
                              printf(" ");
                              }
                for(k=1;k<=i+c;k++)
                              {
                              printf("*");
                              }
                printf("\n");
                 c++;
                 b--;
                 }
        getch();
  }

//For Loop Demo
#include<stdio.h>
void main()
{
        int i,x,sum;
        clrscr();

        for(i=1;i<=3;i++)
        {
                for(x=1;x<=2;x++)
                {
                        sum=i+x;
                        printf("i=%d,x=%d,sum=%d\n",i,x,sum);
                }
        }
        getch();
}

#include<stdio.h>
#include<conio.h>

void main()
{
  char name[50];
  int i,c1=0,c2=0;
  clrscr();
  printf("Enter the string: ");
  gets(name);
  for(i=0;name[i]!='\0';i++)
  {
```

```c
                        printf("%c", name[i]);
                        switch(name[i])
                        {
                                case ' ':
                                        c1++;
                                        break;
                        }
                                c2++;

  }
  printf("\n No. of spaces: %d" , c1);
  c2=c2-c1;
  printf("\n No. of charactes: %d", c2);
  getche();
}

#include<stdio.h>
#include<conio.h>

void main()
{
  int a1[3][3],a2[3][3],res[3][3],i,j,k,l;
  clrscr();
  printf("Enter the values for first array: ");
  for(i=0;i<3;i++)
  {
    for(j=0;j<3;j++)
          scanf(" %d", &a1[i][j]);
  }
  printf("Enter the values for second array: ");
  for(i=0;i<3;i++)
  {
    for(j=0;j<3;j++)
          scanf(" %d", &a2[i][j]);
  }
  clrscr();
  printf("\n First Matrix: ");
  for(i=0;i<3;i++)
  {
    printf("\n");
    for(j=0;j<3;j++)
          printf("\t %d", a1[i][j]);

  }
  printf("\n\n Second Matrix: ");
  for(i=0;i<3;i++)
  {
    printf("\n");
    for(j=0;j<3;j++)
          printf("\t %d", a2[i][j]);
  }
  printf(" \n\n Resultant Matrix: ");
  for(i=0,k=0;i<3 && k<3;i++,k++)
  {
    printf("\n");
    for(j=0,l=0;j<3 && l<3;j++,l++)
```

```c
    {
            res[i][j] = a1[i][j] + a2[i][j];
            printf("\t %d",res[i][j]);
    }
  }
 getche();
}

#include<stdio.h>
#include<conio.h>

void main()
{
  int a1[3][3],a2[3][3],res[3][3],i,j,k,l;
  clrscr();
  printf("Enter the values for first array: ");
  for(i=0;i<3;i++)
  {
    for(j=0;j<3;j++)
            scanf(" %d", &a1[i][j]);
  }
  printf("Original array: ");
  for(i=0;i<3;i++)
  {
    printf("\n");
    for(j=0;j<3;j++)
            printf(" %d", a1[i][j]);
  }
  printf("Transpose of Matrix: ");
  for(i=0;i<3;i++)
  {
    printf("\n");
    for(j=0;j<3;j++)
            printf("\t %d", a1[j][i]);
  }
 getche();
}


#include<stdio.h>
#include<conio.h>
Add(int,int);
Comp(int,int);
int sub(int,int);
int fact(int);
int rac(int);

main()
{

        int a,b,result;

        clrscr();
        printf("\t\tADD FUNCTION WITH ARGUMENTS\n");
        printf("\nenter a any two no=");
        scanf("%d%d",&a,&b);
```

```c
    Add(a,b);

    printf("\n\tCOMP FUNC WITH ARGUMENTS\n");
    Comp(a,b);

    printf("\n\tSUB FUNCTION WITH ARGUMENT\n");
    result=sub(a,b);
    printf("\nthe sub is=%d",result);

    printf("\nFACT FUNCTION WITH ARGUMENT\n");
    result=fact(a);
    printf("\nthe factorial is=%d",result);

    printf("\nRECURSIVE FUNCTION WITH ARG...");
    result=rec(a);
    printf("\nthe fac is=%d",result);
    getch();
}
    //DECLARATION OF FUNCTION
    Add(int x,int y)
    {
            printf("\nthe sum is=%d",x+y);
    }

    Comp(int x,int y)
    {
            if(x>y)
            {
                    printf("\nfirst no is greater\n%d",x);
            }
            else
            {
                    printf("\nsecond no is greater\n%d",y);
            }
    }

    //new function
    int sub(int x,int y)
    {
            return(x-y);
    }

    int fact(int x)
    {     int i,c=1;
            for(i=x;i>1;i--)
            {
                    c=i*c;
            }
            return(c);
    }
    int rec(int x)
    {
            int d;
            if(x==1)
                return x;
            else
```

```c
                    d=x*fact(x-1);
                return(d);
        }

#include<stdio.h>
void italy();
void brazil();
void argentina();
void main()
{

    clrscr();
    printf("i am in main function\n");
    italy();
    printf("i am finaly back in main funtion\n");
    getch();
}
    void italy()
  {
    printf("i am in italy\n");
    brazil();
    printf("i am back in italy\n");
    }
    void brazil()
    {
    printf("i am in brazil\n");
    argentina();
    }
    void argentina()
    {
    printf("i am in argentina\n");
    }
```

```c
#include<stdio.h>
void add(int,int);
void main()
{
    int x,y;
    clrscr();
    printf("enter value of x :\n");
    scanf("%d",&x);
    printf("enter value of y :\n");
    scanf("%d",&y);
    add(x,y);
    getch();
}
    void add(int a,int b)
  {
    int sum;
    sum=a+b;
    printf("sum= %d",sum);
```

```c
        }

#include<stdio.h>
#include<conio.h>
int a,b;
void main()
{
        int a,b;
        clrscr();
        printf("%d %d",::a,b);
        getch();

}

#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
printf("enter value for a=");
scanf("%d",&a);
if(a==5)
        {
        goto pepsi;
        }
        printf("hello");
pepsi:
{
printf("raj");
}
printf("bye");
getch();
}

        #include<stdio.h>
        #include<conio.h>
        void main()
        {
            int a,b,c;
            clrscr();
                printf("enter the three numbers");
                scanf("%d%d%d",&a,&b,&c);
                if(a>b)
                {       if(a>c)
                        {
                                printf("gretest number is=%d",a);
                        }
                        else
                                printf("gretest number is=%d",c);
                }
                 else
                        if(b>c)
                        {
                                printf("gretest number is=%d",b);
```

```c
                }
        else
                printf("gretest number is=%d",c);
        getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c;
clrscr();
printf("enter first no=");
scanf("%d",&a);
printf("enter second no=");
scanf("%d",&b);
printf("enter third no=");
scanf("%d",&c);
if(a>b)
{
        if(a>c)
        {
        printf("a is greater");
        }
        else
        {
        printf("c is greater");
        }
}
else
        {
        if(b>c)
                {
                printf("b is greater");
                }
         else
                {
                printf("c is greater");
                }
        }

getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
int a,b;
clrscr();
printf("enter first no=");
scanf("%d",&a);
printf("enter second no=");
scanf("%d",&b);
```

```c
if(a>b)
{
printf("a is greater");
}
else
{
printf("b is greater");
}
if(a>0)
{
printf("\nits a poistive no");
}
else
{
printf("\nits a negative no");
}
getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c,d,e,s;
float p;
clrscr();
printf("enter marks for a=");
scanf("%d",&a);
printf("enter marks for b=");
scanf("%d",&b);
printf("enter marks for c=");
scanf("%d",&c);
printf("enter marks for d=");
scanf("%d",&d);
printf("enter marks for e=");
scanf("%d",&e);
s=a+b+c+d+e;
printf("\nTOTAL=%d",s);
p=s/5;
printf("\nPERCENTAGE=%f",p);
getche();
}


#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c,d;
        clrscr();
        printf("enter your age=");
        scanf("%d",&a);
        ((a>=18) ? printf("you are able for vote") : printf("you are not able for vote"));
        printf("\n");
        printf("enter a value for b & c");
```

```c
        scanf("%d%d",&b,&c);
        if(b>c)
                    {printf("b is greater");}
        else
                    {printf("c is greater");}
        }
        getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
        clrscr();
        printf("\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\n\t\t\t ************************ \n");
        printf("\a\a\a\t\t\t I    LOVE    MY    INDIA  \n");
        printf("\t\t\t ************************** ");
        getch();
}


#include<stdio.h>
#include<conio.h>
int arr1[5],arr2[5],arr3[10],t;

void sort(int [],int [],int [],int);
void disp();
void accept();

void main()
{

        clrscr();
        accept();
        sort(arr1,arr2,arr3,t);
        disp();
        getch();

}
void accept()
{
        int i;
        printf("Please enter the number of terms to sort = ");
        scanf("%d",&t);
        printf(" enter first array = ");
        for(i=0;i<t;i++)
        {
                    printf("enter %d = ",i);
                    scanf("%d",&arr1[i]);
        }
        printf("enter second array = ");
        for(i=0;i<t;i++)
        {
                    printf("enter %d = ",i);
                    scanf("%d",&arr2[i]);
```

```c
            }

}

void sort(int arr1[],int arr2[],int arr3[],int t)
{
        int m,n,r;
        int i=0,j=0,k=0;
        while(i<m && j<n)
        {
                if(arr1[i] < arr2[j])
                {
                        arr3[k]=arr1[i];
                        i++;
                        k++;
                }
                if(arr2[j] < arr1[i])
                {
                        arr3[k] = arr2[j];
                        j++;
                        k++;
                }
                if(arr1[i] == arr2[j])
                {
                        arr3[k] = arr1[i];
                        i++;
                        j++;
                        k++;
                }
        }
        while(i<m)
        {
                arr3[k] = arr1[i];
                i++;
                k++;
        }
        while(j<t)
        {
                arr3[k] = arr2[j];
                j++;
                k++;
        }

}
void disp()
{
        int i;
        printf("after selection sort -----> ");
        for(i=0;i<t;i++)
        {

                printf("\n %d",arr3[i]);
        }
}

#include<stdio.h>
```

```
void main()
{
        int x,y,sum;

        clrscr();
        for(x=0,y=3;x<=3;x++,y--)
        {
                sum=x+y;
                printf("x=%d,y=%d,sum=%d\n",x,y,sum);
        }
        getch();
}


#include<conio.h>
#include<stdio.h>
void main()
{
        clrscr();
        char c[5][10];

        for(int i=0;i<5;i++)
        {
                printf("Enter name :");
                scanf("%s",c[i]);
        }
        for(i=0;i<5;i++)
        {
                printf("%s\n",c[i]);
        }

        getch();

}

#include<stdio.h>
#include<conio.h>
void main()
{
 clrscr();
 int a,b,c;
 printf("\n Enter any number : ");
 scanf("%i", & a);
 b=a-1;
 c=a=1;
 printf("\n" a, b,c);
 getch();
}


#include<stdio.h>
#include<conio.h>
        void main()
        { int a;
          clrscr();
          printf("enter 1 or 2 or3::::");
```

```c
    scanf("\n%d",&a);
    switch(a)
    { case 1:
      {
              printf("I love u");
              break;
              }
        case 2:
        {
              printf("U love me");
              break;
        }
         case 3:
         {
              printf("We love her");
              break;
         }
         default:
         {
         printf("I hate u");
         }
     }
     getch();
     }


#include<stdio.h>
void main()
{
        int i=5,u;
        clrscr();
        printf("address is %u\n",&i);
        printf("value of i= %d\n",i);
        printf("value of i= %d\n",*(&u));
        getch();
}




#include<stdio.h>
#include<conio.h>
void main()
{
int x[5],*p,i,a,*b,sum=0;
clrscr();
for(i=0;i<5;i++)
        {
        printf("enter no=");
        scanf("%d",&x[i]);
        }
for(i=0;i<5;i++)
        {
        p=&x[i];
        printf("%d",x[i]);
        printf("%d",p);
        }
```

```c
a=18;
b=&a;
printf("\n%d",a);
printf("\n%d",&a);
printf("\n%d",b);
printf("\n%d",*b);
printf("\n%d",&b);
for(i=0;i<5;i++)
        {
        printf("enter no=");
        scanf("%d",&x[i]);
        sum=sum+x[i];
        }
printf("sum%d",sum);

getch();
}

#include<stdio.h>
void main()
{
    int pow=1,base,exp,x=1;
    clrscr();
    printf("enter the value of base :");
    scanf("%d",&base);
    printf("enter the value of exp :");
    scanf("%d",&exp);
    while(x<=exp)
    {
        pow=pow*base;
        x++;
    }
        printf("pow=%d",pow);
        getch();
}#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c,d,e,f;
clrscr();
printf("enter a side of square=");
scanf("%i",&a);
b=a*a;
printf("area of aquare is%d",b);
printf("\nenter l & b=");
scanf("%i%i",&c,&d);
b=(c*d)/2;
printf("\narea of tringle=%d",b);
b=c*d;
printf("\narea of rectringle=%d",b);
printf("\nenter the purchase value=");
scanf("%d",&e);
printf("\nenter the sale value=");
scanf("%d",&f);
b=f-e;
printf("\nthe profit=%d",b);
```

```c
getch();
}




#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
        int i;
        clrscr();
        char un[]="modem";
        char pw[]="satya";
        char un1[5];
        char pw1[5];
        printf("Enter the username = ");
        scanf("%s",&un1);

        printf("Enter the password = ");
        for(i=0;i<5;i++)
        {
                pw1[i]=getch();
                printf("*");
        }
        if((strcmp(un,un1)==0) && (strcmp(pw,pw1)==0))
        {
                printf("\n welcome to infocons");
        }
        else
        {
                printf("\n sorry login failed ");
        }
        getch();
}


#include<stdio.h>
#include<conio.h>
#include<string.h>
void main()
{
        int i;
        //clrscr();
        char un[]="modem";
        char pw[]="satya";
        char un1[5];
        char pw1[5];
        clrscr();
        printf("Enter the username = ");
        scanf("%s",&un1);

        printf("Enter the password = ");
        for(i=0;i<5;i++)
        {
```

```c
                pw1[i]=getch();
                printf("*");
        }
        if((strcmp(un,un1)==0) && (strcmp(pw,pw1)==0))
        {
                printf("\n welcome to infocons");
        }
        else
        {
                printf("\n sorry login failed ");
        }
        getch();
}
```

```c
#include<stdio.h>
void main()
{
    int p,n,r;
    float si;

    clrscr();
    p=2000.02,n=2,r=1.54;

    si=p*n*r/100;
    printf("si=%f",si);

    getch();
}
```

```c
#include<stdio.h>
#include<conio.h>

void main()
{
        int a=8;
        int &m=a;/* we can not use a reference variable in C */
        clrscr();
        printf("%d",a);
        printf("%d",a);
        getch();
}
```

```c
#include<stdio.h>
#include<conio.h>

int compare(int ,int );
void main()
{
  int x,y,p;
  clrscr();
  printf("Enter two values: ");
  scanf(" %d %d",&x,&y);
```

```c
  p=compare(x,y);
  if(p==1)
     printf("x is greater than y.");
  else
     printf("y is greater than x.");
  getche();
}

int compare(int a,int b)
{
  if(a>b)
     return 1;
  else
     return 0;
}
```

```c
#include<stdio.h>
#include<conio.h>
        void main()
        {       int a[10],i,n;
                clrscr();
                for(i=0;i<10;i++)
                {
                        printf("enter ten number::-");
                        scanf("%d",&a[i]);
                }
                for(n=i;n>=0;n--)
                { printf("%d",a[n]);
                }
                getch();
        }
```

```c
#include<stdio.h>
#include<conio.h>
        void main()
        {
           long int a,b;
           char s ;
           clrscr();
           do
           {
                printf("enter five diget numbers:");
                scanf("%ld",&a);
                while(a!=0)
                {
                b=a%10 ;
                printf("\n %d",b);
                a=a/10;
                }
                printf("\n do you want more :y/n = ");
                scanf("%c",&s);
           } while((s=='y')|| (s=='Y'));
```

```c
                getch();
            }




#include<stdio.h>
#include<conio.h>

void main()
{
   int num,x;
   clrscr();
   printf("Enter the no.: ");
   scanf(" %d", &num);
   x=num%2;
   if(x==0)
            printf("\n No. is even.");
   else
            printf("\n No. is odd.");
   getche();
}




#include<stdio.h>
#include<conio.h>

void main()
{
  int age;
  char sex,ch='y';
  clrscr();
  while(ch == 'y' || ch == 'Y')
  {
            printf("\n Enter the sex of person: ");
            scanf(" %c", &sex);
            if(sex == 'm')
            {
                    printf("\n Enter the age: ");
                    scanf(" %d", &age);
                    ((age >= 21)?printf("\n Get married."):printf("\n Cannot get married."));
            }
            else
            {
                    printf("\n Enter the age: ");
                    scanf(" %d", &age);
                    ((age >= 18)?printf("\n Get married."):printf("\n Cannot get married."));
            }
            printf("\n Do u want to know more(y/n): ");
            scanf(" %c", &ch);
  }
}




#include<stdio.h>
#include<conio.h>
```

```c
void main()
{
 int ch,a,b,c;
 char x='y';
 clrscr();
 while(x=='y'|| x=='Y')
 {
            printf("\t -------------\n");
            printf("\t -:Main Menu:- \n");
            printf("\t   1.Add      \n");
            printf("\t   2.Subtract \n");
            printf("\t   3.Multiply \n");
            printf("\t   4.Divide   \n");
            printf("\t   5.Modulus  \n");
            printf("\t   6.Exit     \n");
            printf("\t Enter ur choice: ");
            scanf(" %d", &ch);
            printf("\n Enter first no.: ");
            scanf(" %d", &a);
            printf("\n Enter second no.:");
            scanf(" %d", &b);
            switch(ch)
            {
              case 1:
                        printf("Addition of no.: %d", a+b);
                        break;
              case 2:
                        if(a>b)
                                c=a-b;
                        else
                                c=b-a;
                        printf("Subtraction of no.: %d", c);
                        break;
               case 3:
                        printf("Multiplication of no.: %d",a*b);
                        break;

              case 4:
                        if(a>b)
                                c=a/b;
                        else
                                c=b/a;
                        printf("Division of no.: %d", c);
                        break;
              case 5:
                        if(a>b)
                        {
                                if
                                   c=a%b;
                        else
                                c=b%a;
                        printf("Modulus of no.: %d", c);
                        break;
              case 6:
                        exit();
              default:
```

```c
                        printf("Invalid choice.");
                }
                printf("\n Do u want to work more(y/n): ");
                scanf(" %c",&x);
        }
    getche();
}


#include<stdio.h>
void main()
{
        int x,y;             //inetializing the values

        clrscr();                  //clearing the screen
        x=10;             //assigning values
        y=10;             //assigning values
//       z=x+y;
        printf("Sum = %d",(x%y));  //printing the output

        getch();           //waiting the screen for character
}


#include<stdio.h>
#include<conio.h>
int arr[10],t;

void sort(int [],int);
void disp();
void accept();

void main()
{

        clrscr();
        accept();
        sort(arr,t);
        disp();
        getch();

}
void accept()
{
        int i;
        printf("Please enter the number of terms to sort = ");
        scanf("%d",&t);
        for(i=0;i<t;i++)
        {
                printf("enter %d = ",i);
                scanf("%d",&arr[i]);
        }
}

void sort(int arr[],int n)
{
```

```c
        int i,j,temp;
        for(i=0;i<n;i++)
        {
                for(j=i+1;j<n;j++)
                {
                        if(arr[i]>arr[j])
                        {
                                temp=arr[i];
                                arr[i]=arr[j];
                                arr[j]=temp;

                        }
                }
        }
}
void disp()
{
        int i;
        printf("after selection sort -----> ");
        for(i=0;i<t;i++)
        {

                printf("\n %d",arr[i]);
        }
}




#include<stdio.h>
#include<conio.h>
void main()
{
        char name[7];
        int i;
        clrscr();
        printf("enter your name");
        for(i=0;i<7;i++)
        {
                scanf("\n %c",&name[i]);
        }
        for(i=0;i<7;i++)
        {
                printf("\n %c",name[i]);
        }
        getch();
}


#include<stdio.h>
#include<string.h>
#include<conio.h>
void main()
{
char a[12]="atul";
```

```c
char b[7]="gupta";
int c;
char d;
clrscr();
c=strlen(a);
printf("%d",c);
strcpy(a,b);
printf("%s",a);
d=strcmp(a,b);
printf("%c",d);
strcat(a,b);
printf("\n%s",a);
c=strlen(a);
printf("\n%d",c);

getch();

}


#include<stdio.h>
#include<string.h>
void main()
{
        int i,len;
        char str1[20];
        clrscr();
        printf("enter your name :\n");
        for(i=0;i<=10;i++)
    {
        scanf("%c",&str1[i]);
    }
        len=strlen(str1);
        printf("the length of the string= %d",len);
        getch();
}


#include<stdio.h>
#include<conio.h>
                    int add(int,int);
                    void main()
                    {  int a,b,sum;
                       clrscr();
                       printf("enter the number:::");
                       scanf("\n%d",&a);
                       printf("enter the scoend number:::");
                       scanf("\n%d",&b);
                       sum=add(a,b);
                       printf(" sum of these two number=%d",sum);
                       getch();
                    }
                    int add(int m,int n)
                    { int z;
                     z=m+n;
                     return(z);
```

```
                }



#include<stdio.h>
void main()
{
        int i,x,y;
        clrscr();
        printf("enter the value of x :");
        scanf("%d",&x);
        printf("enter the value of y :");
        scanf("%d",&y);
        printf("enter any key of no. 1,2,3,4,5\n");
        scanf("%d",&i);
        switch(i)
    {
        case 1:
        printf("x+y = %d\n",x+y);
        break;
        case 2:
        printf("x-y = %d\n",x-y);
        break;
        case 3:
        printf("x*y = %d\n",x*y);
        break;
        case 4:
        printf("x/y = %d\n",x/y);
        break;
        case 5:
        exit();
        default:
        printf("you give the wrong value");
        break;
    }
        getch();
}




#include<stdio.h>
#include<conio.h>
void main()
{
int a;
clrscr();
printf("enter your choice from 1to4=");
scanf("%d",&a);
switch(a)
{
case 1:
        {printf("you won the t.v");
        break;}
case 2:
        {printf("you won the trip of singapor");
```

```c
            break;     }
case 3:
            {printf("sorry you not win");
            break;}
case 4:
            {printf("you won the bike");
            break;}
default:
            {printf("invalid choice");
            }

}
getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c,d;
clrscr();
printf("\t\t\t\t\tMENU");
printf("\n1.ADD");
printf("\n2.SUB");
printf("\n3.MULTIPLY");
printf("\n4.DIVIDE");
printf("\n5.EXIT");
printf("ENTER YOUR CHOICE=");
scanf("%d",&a);
switch (a)
{
            case 1:
            {
                        printf("enter a first no=");
                        scanf("%d",&b);
                        printf("enter a second no=");
                        scanf("%d",&c);
                        d=b+c;
                        printf("sum=%d",d);
                        break;
            }
case 2:
            {
                        printf("enter a first no=");
                        scanf("%d",&b);
                        printf("enter a second no=");
                        scanf("%d",&c);
                        d=b-c;
                        printf("sub=%d",d);
                        break;
            }
case 3:
            {
                        printf("enter a first no=");
                        scanf("%d",&b);
```

```c
                    printf("enter a second no=");
                    scanf("%d",&c);
                    d=b*c;
                    printf("multiply=%d",d);
                    break;
            }
    case 4:
            {
                    printf("enter a first no=");
                    scanf("%d",&b);
                    printf("enter a second no=");
                    scanf("%d",&c);
                    d=b/c;
                    printf("divide=%d",d);
                    break;
            }
    case 5:
            break;
    default:
            {
                    printf("invalid your choice");
            }
}
getch();
}


#include<stdio.h>
#include<conio.h>

void main()
{
  int a,i,x;
  printf("Enter a five digit no.: ");
  scanf(" %d", &a);
  for(i=0;i<5;i++)
  {
            x=a%10;
            printf("%d",x);
            a=a/10;
  }
  getche();
}


#include<stdio.h>
#include<conio.h>

void main()
{
  int i,j,a;
  clrscr();
  printf("Enter the no.: ");
  scanf(" %d",&a);
  for(i=1;i<=a;i++)
  {
```

```c
       for(j=1;j<=i;j++)
                printf("*");
        printf("\n");
    }
    getche();
}


#include<stdio.h>
#include<conio.h>

void main()
{
   int i,j,l,a,x;
   clrscr();
   printf("Enter the no.: ");
   scanf(" %d",&a);
   for(i=1;i<=a;i++)
   {
      for(l=1;l<=(a-i);l++)
                  printf(" ");
      for(j=1;j<=i;j++)
                printf("*");
      for(j=1;j<=(i-1);j++)
                printf("*");
      printf("\n");
   }
   getche();
}


#include"stdio.h"
#include"conio.h"

void main()
{
   int i,j;
   clrscr();
   printf("Enter the no.: ");
   scanf(" %d",&j);
   for(i=1;i<=10;i++)
   {
      printf("\n %d * %d = %d",j,i,j*i);
   }
   getche();
}


#include<stdio.h>
#include<conio.h>

void main()
{
   int i,j=0,a,x;
   clrscr();
   printf("Enter the five digit no.: ");
```

```c
  scanf(" %d", &a);
  for(x=0;x<5;x++)
  {
    i=a%10;
    j=j+i;
    a=a/10;
  }
  printf(" %d",j);
  getche();
}
```

```c
#include<stdio.h>
void main()
{
        int i,x,j;
        clrscr();
        printf("enter the no. for table\n");
        scanf("%d",&j);

        for(i=1;i<=j;i++)
        {
                x=2*i;
                printf("2 X %d = %d \n",i,x);
        }
         getch();
}
```

```c
#include<stdio.h>
void main()
{
        int i,j,x,k;
        clrscr();
        printf("enter the value for table\n");
        scanf("%d",&j);
        printf("enter the number for table\n");
        scanf("%d",&k);
        for(i=1;i<=k;i++)
       {

        x=i*j;
        printf("%d * %d = %d\n",j,i,x);
       }
          getch();
}
```

```c
#include<stdio.h>
#include<conio.h>
```

```c
void main()
{
        int i,num;
        clrscr();
        printf("enter any no.");
        scanf("\n%d",&num);
          for(i=1;i<11;i++)
          {
          printf("\n%d",num*i);
          }
          getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
        int a,i,b;
        clrscr();

        printf("Enter inetial number for table::");
        scanf("%d",&a);

        printf("Enter final number for table::");
        scanf("%d",&b);

        for(;a<=b;a++)
        {
                for(i=1;i<=10;i++)
                    printf("\n%i",a*i);

                    printf("\n\n");
        }

        getch();
}

#include<stdio.h>
void main()
{
        int i,x,m,n;
        clrscr();printf("enter the value for m\n");

        scanf("%d",&m);
        printf("enter the value for n\n");

        scanf("%d",&n);

        if(m<=n); m++;
  {
        for(i=1;i<=10;i++)
    {
        x=m*i;
        printf("%d * %d = %d\n",x,i,m);
    }
```

```c
        }
                getch();
 }

#include<stdio.h>
void main()
{
   int a1,a2,a3;
   clrscr();
   printf("enter the first angle of triangle :");
   scanf("%d",&a1);
   printf("enter the second angle of triangle  :");
   scanf("%d",&a2);
   printf("enter the third angle of triangle :");
   scanf("%d",&a3);
   if(a1+a2+a3==180)
   printf("triangle is formed");
   else
   printf("triangle is not formed");
   getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
int a,b,c,num;
clrscr();
printf("\t\t\t MENU");
printf("\n 1. add ");
printf("\n 2. sub ");
printf("\n 3. div ");
printf("\n 4. mul ");
printf("\n 5. exit ");
printf("\n default");
printf("\n\n enter num");
scanf("%d",&num);
switch (num)
{
        case 1:
        {    printf("enter  two no.");
             scanf("%d\n%d",&a,&b);
             c=a+b;
             printf("%d",c);
             break;
        }
         case 2:
         {
             printf("enter two no.");
             scanf("%d\n%d",&a,&b);
             c=a-b;
             printf("%d",c);
             break;
         }
          case 3:
```

```c
        {
        printf("enter two no.");
        scanf("%d\n%d",&a,&b);
        c=a/b;
        printf("%d",c);
        break;
        }
      case 4:
      {
        printf("enter two no.");
        scanf("%d\n%d",&a,&b);
        c=a*b;
        printf("%d",c);
        break;
      }
       default:
       {
       printf("no choise");
       }
        }
        getch();
  }


#include<stdio.h>
void main()
{
        char c;
        int i;
        float f;

        clrscr();

        c='A';
        i=100;
        f=10.20;

        printf("Variable c has value : %c\n",c);
        printf("Variable i has value : %d\n",i);
        printf("Variable f has value : %f\n",f);

        getch();
}


#include<stdio.h>
#include<conio.h>
void main()
{
clrscr();
printf("hello vibhor");
}

//Do While Loop
#include<stdio.h>
void main()
```

```c
{
        int i=1;
        clrscr();

        while(i<=10)
        {
                printf("%d\n",i);
                i++;
        }
        getch();
}

#include<stdio.h>
void main()
{
        int aor,aos,aoa;
        clrscr();
        printf("enter the age of ram :");
        scanf("%d",&aor);
        printf("enter the age of shyam : ");
        scanf("%d",&aos);
        printf("enter the age of ajay :");
        scanf("%d",&aoa);
        if(aor<aos && aor<aoa  &&  aoa>aos)
      {
        printf("ram is youngest brother\n");
        printf("ajay is oldest brother\n ");
      }
        else
      {
        printf("ajay is youngest brother\n");
        printf("ram is oldest brother\n");
      }
        if(aos<aor && aos<aoa)
      {
        printf("shyam is youngest brother\n");
      }
        else
      {
        printf("shyam is oldest brother\n");
      }
        getch();
}
```

C Programs

```c
/*Program of adddition*/
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
```

```c
        clrscr();
        a=20,b=13;
        printf("*********************************\n");
        printf("          Addition           \n ");
        printf("*********************************\n");
        c=a+b;
        printf("%i",c);
        getch();
}

/*Program of bio-data*/
#include<stdio.h>
#include<conio.h>
void main()
{
        clrscr();      /* it is used for clearing the screen */
        printf("*********************************************************\n");
        printf("                              Bio Data            \n ");
        printf("*********************************************************\n");
        printf("NAME    -\tIshan Saraswat\n");
        printf("SCHOOL  -\tD.P.S\n");
        printf("CLASS   -\t7 - c\n");
        printf("ADDRESS -\t3A/60 Azad Nagar,Kanpur");
        getch();
}
/* Addition of two flote numbers */
#include<stdio.h>
#include<conio.h>
void main()
{
        float a,b,c;
        clrscr();      /* it is used for clearing the screen */
        a=21.5,b=11.4;
        printf("*********************************************************\n");
        printf("                              ADDITION                  \n ");
        printf("*********************************************************\n");
        c=a+b;
        printf("%f",c);
        getch();  /* it is used to get a char from console */
}

/*Program of subtraction*/

#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        a=20,b=13;
        printf("*********************************************************\n");
        printf("                              Subtraction               \n ");
        printf("*********************************************************\n");
        c=a-b;
        printf("%i",c);
        getch();
```

```c
}

/*Program of multiplication*/
#include<stdio.h>
#include<conio.h>
void main()
{
        int a=3,b=5;
        long int c;
        clrscr();
        printf("********************************************************\n");
        printf("                           multiplication                      \n ");
        printf("********************************************************\n");
        c=a*b;
        printf("a * b = %i",c);
        getch();
}

prg6.c

/*Program of division*/
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        a=96,b=6;
        printf("********************************************************\n");
        printf("                           division                  \n ");
        printf("********************************************************\n");
        c=a/b;
        printf("%i",c);
        getch();
}

prg7.c
/* Program of draw a digram */
#include<stdio.h>
#include<conio.h>
void main()
{
        clrscr();
        printf("|------|   |----------|   |--------|\n");
        printf("|Input | -> | Computer | -> | Output |\n");
        printf("|------|   |----------|   |--------|\n");
        getch();
}
/* Program of character variable */
#include<stdio.h>
#include<conio.h>
void main()
{
        char ch='i',ch2='s',ch3='h',ch4='a',ch5='n';
        clrscr();
        printf("my name is %c%c%c%c%c\n",ch,ch2,ch3,ch4,ch5);
```

```c
        getch();
}

/*Program of adddition */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        printf("*********************************************************\n");
        printf("                              Addition                            \n ");
        printf("*********************************************************\n");
        printf("Enter value of a = ");
        scanf("%i",&a);
        printf("Enter value of b = ");
        scanf("%i",&b);
        c=a+b;
        printf("a + b = %i",c);
        getch();
}

/*Program of subtraction */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        printf("*********************************************************\n");
        printf("                              Subtraction                            \n ");
        printf("*********************************************************\n");
        printf("Enter value of a = ");
        scanf("%i",&a);
        printf("Enter value of b = ");
        scanf("%i",&b);
        c=a-b;
        printf("a - b = %i",c);
        getch();
}

/*Program of multiplication */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        printf("*********************************************************\n");
        printf("                              Multiplication                            \n ");
        printf("*********************************************************\n");
        printf("Enter value of a = ");
        scanf("%i",&a);
        printf("Enter value of b = ");
        scanf("%i",&b);
        c=a*b;
```

```c
        printf("a * b = %i",c);
        getch();
}

/*Program of division */
#include<stdio.h>
#include<conio.h>
void main()
{
        float a,b,c;
        clrscr();
        printf("*********************************************************\n");
        printf("                              division                \n ");
        printf("*********************************************************\n");
        printf("Enter value of a = ");
        scanf("%f",&a);
        printf("Enter value of b = ");
        scanf("%f",&b);
        c=a/b;
        printf("a / b = %f",c);
        getch();
}

/*Program of area of square */
#include<stdio.h>
#include<conio.h>
void main()
{
        int square,b;
        clrscr();
        printf("*********************************************************\n");
        printf("                           Area of Square                \n ");
        printf("*********************************************************\n");
        printf("Enter side of square = ");
        scanf("%i",&square);
        b=square*square;
        printf("Area of the square is = %i",b);
        getch();
}

/*Program of area of rectangle */
#include<stdio.h>
#include<conio.h>
void main()
{
        int b,length, breadth ;
        clrscr();
        printf("*********************************************************\n");
        printf("                           Area of Square                \n ");
        printf("*********************************************************\n");
        printf("Enter length of rectangle = ");
        scanf("%i",&length);
        printf("Enter breadth of rectangle = ");
        scanf("%i",&breadth);
        b=length*breadth;
        printf("Area of the square is = %i",b);
```

```c
		getch();
}


/*Program of area of circle */
#include<stdio.h>
#include<conio.h>
void main()
{	float a,b,c;
		a=3.14;
		clrscr();
		printf("**********************************************************\n");
		printf("                           Area of circle                     \n ");
		printf("**********************************************************\n");
		printf("Enter radius of circle = ");
		scanf("%f",&b);
		c=a*b*b;
		printf("area of circle is %f",c);
		getch();
}


/* program of table of 5 */
#include<stdio.h>
#include<conio.h>
void main()
{
		int a,b,c,d,e,f,g,h,i,j,k,l,m,n,o,p,q,r,s,t,u;
		clrscr();
		a=5,b=1,c=2,d=3,e=4,f=5,g=6,h=7,i=8,j=9,k=10;
		printf("\t\tTable of 5\t\t\n");
		l=a*b;
		printf("5 * 1 =%i \n",l);
		m=a*c;
		printf("5 * 2 =%i \n",m);
		n=a*d;
		printf("5 * 3 =%i \n",n);
		o=a*e;
		printf("5 * 4 =%i \n",o);
		p=a*f;
		printf("5 * 5 =%i \n",p);
		q=a*g;
		printf("5 * 6 =%i \n",q);
		r=a*h;
		printf("5 * 7 =%i \n",r);
		s=a*i;
		printf("5 * 8 =%i \n",s);
		t=a*j;
		printf("5 * 9 =%i \n",t);
		u=a*k;
		printf("5 * 10 =%i \n",u);
		getch();
}


/*Program of area of circle using function */

#include<stdio.h>
#include<conio.h>
```

```c
#define PI 3.14    /* this is symbolic constant */
float radius;
void areaofcircle();
void main()
{
        clrscr();
        printf("*********************************************************\n");
        printf("                        Area of circle                  \n ");
        printf("*********************************************************\n");
        areaofcircle();
        getch();
}
void areaofcircle()
{
        float area;
        printf("Enter radius of circle = ");
        scanf("%f",&radius);
        area=PI*radius*radius;
        printf("Area of the circle is = %f",area);
}


/* Program of Magic number */
#include<stdio.h>
#include<conio.h>
void main()
{
        clrscr();
        printf("*********************************************************\n");
        printf("\t\tMAGIC NUMBER\t\t\n\n");
        printf("*********************************************************\n");
        printf("Select a number from below without telling anyone - \n\n");
        printf("23,35,65,29,14,47,98,54,76,19,37,69,93,67,25,35,95,86,51,48.\n\n");
        printf("NOW CONCENTRATE ON YOUR NUMBER , PRESS ENTER AND IT WILL DISAPPEAR
MAGICALLY!!!");
        getch();
        clrscr();
        printf("\n\n\n\n 13,43,26,31,78,56,45,96,59,38,42,98,71,53,62,72,11,26,49,14\n\n");
        printf(" \t\tHA! HA! HA! HA! HA!\t\t");

        getch();
}

/*Program of enum */
#include<stdio.h>
#include<conio.h>
void main()
{
        enum day{sunday,monday,tuesday,wednesday,thursday,friday,saturday};
        enum day s,m,t,w,th,f,st;
        clrscr();
        s=sunday;
        m=monday;
        t=tuesday;
        w=wednesday;
        th=thursday;
        f=friday;
```

```c
            st=saturday;
            printf("Sunday = %i\n",s);
            printf("Monday = %i\n",m);
            printf("Tuesday = %i\n",t);
            printf("Wednesday = %i\n",w);
            printf("Thursday = %i\n",th);
            printf("Friday = %i\n",f);
            printf("Saturday = %i\n",st);
            getch();
}


/*program of modulas */
#include<stdio.h>
void main()
{
            float a;
            int b=14,c=3;
            clrscr();
            a=b%c;
            printf("a=%f",a);
            getch();
}


/* Program of arithmetic operator */
#include<stdio.h>
#include<conio.h>
void main()
{
            int a;
            clrscr();
            a=14/3;
            printf("%i\n",a);
            a=+14/+3;
            printf("%i\n",a);
            a=-14/3;
            printf("%i\n",a);
            a=14/-3;
            printf("%i\n",a);
            a=-14/-3;
            printf("%i",a);
            getch();
}

/* Program of arithmetic operation */
#include<stdio.h>
#include<conio.h>
void main()
{
            int a;
            clrscr();
            a=14%3;
            printf("a = %d\n",a);
            a=-14%3;
            printf("a = %d\n",a);
```

```c
        a=14%-3;
        printf("a = %d\n",a);
        a=-14%-3;
        printf("a = %d\n",a);
        a=+14%+3;
        printf("a = %d",a);
        getch();
}


/* Program of even and odd number. */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b;
        clrscr();
        printf("Enter value of a = ");
        scanf("%i",&a);
        b=a%2;
        if(b==0)
        {
        printf("a is Even");
        }
        else
        {
        printf("a is odd");
        }
        getch();
}

/* Program of converting fahrenheit into celsius */

#include<stdio.h>
#include<conio.h>
void main()
{
        float f,c;
        clrscr();
        printf("enter value of a (degree fahrenheit) = ");
        scanf("%f",&f);
        c=(((f-32)*5)/9);
        printf("a degree fahrenheit = %f degree celsius",c);
        getch();
}

//program of converting celsius into fahrenheit
#include<stdio.h>
#include<conio.h>
void main()
{
        float a,b;
        clrscr();
        printf("enter value of a (degree celsius) = ");
        scanf("%f",&a);
        b=a*9/5+32;
```

```c
        printf("a degree celsius = %f degree fahrenheit",b);
        getch();
}

/* Program of adult and minor by relational and conditional operator */

#include<stdio.h>
#include<conio.h>
void main()
{
        int age;
        clrscr();
        printf("Enter your age = ");
        scanf("%i",&age);
        if(age>=18)
        {
        printf("you are adult\n");
        }
        else
        {
        printf("you are minor\n");
        }
        ((age>=18) ? printf("you are eligible for voting") : printf("you are not eligible for voting"));
        getch();
}

/* Program of increment and decrement operator */

#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b;
        clrscr();
        printf("enter value of a= ");
        scanf("%i",&a);
        printf("enter value of b= ");
        scanf("%i",&b);
        a=a+1;
        b=b-1;
        printf("a = %i\n",a);
        printf("b = %i\n",b);
        a=a++;
        b=b--;
        printf("a = %i\n",a);
        printf("b = %i\n",b);
        getch();
}

/* Program of multiple assignment */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
```

```c
        printf("enter value of a = ");
        scanf("%i",&a);
        c=b=a;
        printf("a = %i\n",a);
        printf("b = %i\n",b);
        printf("c = %i",c);
        getch();
}
```

/* Program of logical operator (AND gate) */

```c
#include<stdio.h>
#include<conio.h>
void main()
{
        int std,marks;
        clrscr();
        printf("\t\tSELECTION FOR BRITANIA QUIZ\t\t\n\n");
        printf("Enter the class you study in= ");
        scanf("%i",&std);
        printf("Enter your percentage marks = ");
        scanf("%i",&marks);
        if((std>=5)&&(marks>=90))
        {
        printf("CONGRATULATIONS! You are selected");
        }
        else
        {
                if((std<5)&&(marks<90))
                {
                printf("SORRY! You are not selected as you are too small and you have not scored enough
marks");
                }
                else
                {
                        if((std<5)&&(marks>90))
                        {
                        printf("SORRY! You are not selected as you are too small");
                        }
                        else
                        {
                                if((std>5)&&(marks<90))
                                {
                                printf("SORRY! You are not selected as you have not scored enough marks");
                                }
                        }
                }
        }
        getch();
}
```

/* Program of else-if ladder */

```c
#include<stdio.h>
#include<conio.h>
```

```c
void main()
{
        int a;
        clrscr();
        printf("enter value of a from 1-4 = ");
        scanf("%i",&a);
        if(a==1)
        {
        printf("yellow");
        }
        else if(a==2)
        {
        printf("white");
        }
        else if(a==3)
        {
        printf("green");
        }
        else if(a==4)
        {
        printf("blue");
        }
        else if(a==4)
        {
        printf("red");
        }
        getch();
}


/* Program of switch & break statement */
/* Lucky Draw */

#include<stdio.h>
#include<conio.h>
void main()
{
        int num;
        clrscr();
        printf("*********************************************************\n");
        printf("\t\tLucky Draw\t\t\n\t WIN EXCITING PRIZES FOR JUST Rs.5\n");
        printf("*********************************************************\n\n");
        printf("Enter your lucky number from 1 - 4 = \n");
        scanf("%i",&num);
        switch(num)
        {
                case 1:
                {
                printf("CONGRATULATIONS! YOU HAVE WON THE CHANCE TO SHOP FOR AN HOUR!!!\ndo not expect any money from me");
                break;
                }
                case 2:
                {
                printf("CONGRATULATIONS! YOU HAVE WON THE 4 CRORE FERRARI SPORTS CAR poster!!!");
```

```c
						break;
						}
						case 3:
						{
						printf("CONGRATULATIONS! YOU HAVE WON A TOUR OF PARIS!!!");
						break;
						}
						case 4:
						{
						printf("CONGRATULATIONS! YOU HAVE WON THE JACKPOT OF RS.5000 (-Rs.4900)");
						break;
						}
						default:
						{
						printf("DONT TRY TO BE OVERSMART");
						}
				}
			getch();
}
/* Program of use of getch() function */
//Magic show
#include<stdio.h>
#include<conio.h>
void main()
{
		char ch;
		clrscr();
		printf("*********************************************************\n");
		printf("\t\tMAGIC SHOW\t\t\n");
		printf("*********************************************************\n\n");
		printf("Press any alphabet without showing anyone.");

		ch=getch();
		printf("\n\nU PRESSED %c",ch);
}

/* Program of goto statement */

#include<stdio.h>
#include<conio.h>
void main()
{
		clrscr();
		printf(" 1. honesty is the best policy \n");
		goto mon;
		tom :
		printf(" 2. today is the teacher's day \n");
		printf(" 3. why do we celebrate this day \n");
		goto wol;
		mon:
				{
				printf(" 4. raghav is a sweet child\n ");
				printf(" 5. it is not true \n");
				}
		goto tom;
		wol:
```

```c
            printf(      " 6. he is learning to play football ");
            getch();

}

//Magic number
#include<stdio.h>
#include<conio.h>
void main()
{
            clrscr();
            printf("**********************************************************\n");
            printf("\t\tMAGIC NUMBER\t\t\n\n");
            printf("**********************************************************\n");
            printf("Select a number from below without telling anyone - \n\n");
            printf("23,35,65,29,4,67,98,54,76,19,7,9,93,12,20,35,95,86,58,48.\n\n");
            printf("NOW THE NUMBER YOU SELECTED WILL DISAPPEAR MAGICALLY!!!");
            getch();
            clrscr();
            printf("\n\n\n\n 13,43,25,36,77,56,40,99,5,38,44,98,76,50,69,72,11,26,49,4\n\n");
            printf(" \t\tHA! HA! HA! HA! HA!\t\t");
            getch();
}

/* Program of for statement */

#include<stdio.h>
#include<conio.h>
void main()
{
            int a,b;
            clrscr();
            printf("Enter the no. of times you want to print ishan = ");
            scanf("%i",&b);
            for(a=0 ; a<b ; a++)
            {
            printf("Ishan\n");
            }
            printf("Bye!");
            getch();
}

/* Program of while statement */

#include<stdio.h>
#include<conio.h>
void main()
{
            int a,b;
            clrscr();
            printf("Enter the no. of times you want to print HELLO!! = ");
            scanf("%i",&b);
            a=0;
            while(a<b)
            {
            printf("HELLO!!\n");
```

```
                a++;
                }
                printf("Bye!");
                getch();
}

/* Program of do-while statement */
#include<stdio.h>
#include<conio.h>
void main()
{
                int a,b;
                clrscr();
                printf("Enter the no. of times you want to print ishan = ");
                scanf("%i",&b);
                a=0;
                do
                {
                printf("Ishan\n");
                }while(a<b);
                printf("Bye!");
                getch();
}

/* Program to display counting from 1 - 1000 */
#include<stdio.h>
#include<conio.h>
void main()
{
                int a;
                clrscr();
                a=0;
                do
                {
                printf("%i\n",a);
                a++;
                }while(a<1001);
                getch();
}

/* Program of printing table of any no.by for loop */
#include<stdio.h>
#include<conio.h>
void main()
{
                int a,b,c;
                clrscr();
                printf("Enter the no. of which you want to print the table = ");
                scanf("%i",&b);
                for(a=1;a<11;a++)
                {
                c=b*a;
                printf("%i",b);
                printf("*%i",a);
                printf("=%i\n",c);
                }
```

```c
        printf("Bye!");
        getch();
}

/* Program of printing table of any no.by while loop */

#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        printf("Enter the no. of which you want to print the table = ");
        scanf("%i",&b);
        a=1;
        while(a<11)
        {
        c=b*a;
        printf("%i",b);
        printf("*%i",a);
        printf("=%i\n",c);
        a++;
        }
        printf("Bye!");
        getch();
}

/ * Program of printing table of any no.by do while loop */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c;
        clrscr();
        printf("Enter the no. of which you want to print the table = ");
        scanf("%i",&b);
        a=1;
        do
        {
        c=b*a;
        printf("%i",b);
        printf("*%i",a);
        printf("=%i\n",c);
        a++;
        }while(a<11);
        printf("Bye!");
        getch();
}

/* Program of solving quadratic equation */
#include<stdio.h>
#include<conio.h>
#include<math.h>
void main()
{
        float a,b,c,d,r1,r2;
```

```c
        clrscr();
        printf("\tSOLVING A QUADRATIC EQUATION\t\n");
        printf("Enter values of a , b , c = ");
        scanf("%f %f %f",&a, &b, &c);
        d=b*b - 4*a*c;
        if(d<0)
        {
        printf("Roots are imaginary\n");
        }
        else
        {
                r1 = (-b+sqrt(d))/(2.0*a);
                r2 = (-b-sqrt(d))/(2.0*a);
                printf("\n\nRoot1 = %5.2f\n\nRoot2 = %5.2f\n",r1,r2);
        }
        getch();
}

/* Program to chang a char's case */
#include<stdio.h>
#include<conio.h>
#include<ctype.h>
void main()
{
        char alphabet;
        clrscr();
        printf("\tCHANGING A ALPHABET'S CASE\t\n");
        printf("Enter an alphabet ");
        putchar('\n');
        alphabet = getchar();
        if(islower(alphabet)>0)
        {
        putchar(toupper(alphabet));
        }
        else
        {
        putchar(tolower(alphabet));
        }
        getch();
}

/* Program to Test the type of char */
#include<stdio.h>
#include<iostream.h>
#include<conio.h>
#include<ctype.h>
void main()
{
        char ch; s
        clrscr();
        cout<<"\tTesting a character type\t\n";
        cout<<"Press any key ";
        ch = getchar();
        if(isalpha(ch>0))
        cout<<"The character is an alphabet\n";
        else
```

```c
        {
            if(isdigit(ch>0))
            {
            cout<<"The character is a digit\n";
            }
            else
            {
            cout<<"The character is a symbol";
            }
        }
        getch();
}

/* Program to Use Array with loop */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a[10],i;
        clrscr();
        printf("Enter 10 values ");
        for(i=0;i<=9;i++)
        {
        scanf("%i",&a[i]);
        }
        clrscr();
        for(i=0;i<=9;i++)
        {
        printf("no %i = %i\n",i+1,a[i]);
        }
        getch();
}

/* Program to print the report card */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a[6];
        float percentage;
        clrscr();
        printf("\t\tREPORT CARD\t\t\n\n");
        printf("\tEnter your marks in the following subjects out of 50\n");
        printf("English = ");
        scanf("%i",&a[0]);
        printf("Maths = ");
        scanf("%i",&a[1]);
        printf("Hindi = ");
        scanf("%i",&a[2]);
        printf("Sceince = ");
        scanf("%i",&a[3]);
        printf("Social Studies = ");
        scanf("%i",&a[4]);
        printf("Computer = ");
        scanf("%i",&a[5]);
        percentage=(((a[0]+a[1]+a[2]+a[3]+a[4])*100)/300);
```

```c
        printf("Percentage = %f%\n",percentage);
        if(percentage>=90)
        {
        printf("You have got DISTINCTION!!!\n");
        printf("Excellent!!!\n");
        }
        else if(percentage>=80)
        {
        printf("You have got 1st DIVISION!!!\n");
        printf("Very good!!!");
        }
        else if(percentage>=65)
        {
        printf("You have got 2nd DIVISION!!!\n");
        printf("Good!!");
        }
        else if(percentage>=40)
        {
        printf("You have got 3rd DIVISION!!!\n");
        printf("Satisfactory!");
        }
        else
        {
        printf("You have failed!!!\n");
        printf("Poor performance!");
        }
        getch();
}

/* Program to work with 2-D array */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a[3][3],i,j;
        clrscr();
        printf("enter the values of 2-D array = ");
        for(i=0;i<=2;i++)
        {
                for(j=0;j<=2;j++)
                {
                        scanf("%d",&a[i][j]);
                }
        }
        clrscr();
        printf(" \n you entered = \n\n\n\n");
        for(i=0;i<=2;i++)
        {
                for(j=0;j<=2;j++)
                {
                        printf("   %d",a[i][j]);
                }
        printf("\n");
        }
        getch();
}
```

```c
/* Program to print multiplication table */
#include<stdio.h>
#include<conio.h>
void main()
{
         int r, c;
        int i,j,product[5][5];
        clrscr();
        printf("\tMULTIPLICATION TABLE\t\n\n");
        printf("    1    2    3    4    5\n ***************************************\n");
        for(i=0;i<=4;i++)
        {
        r=i+1;
                for(j=0;j<=4;j++)
                {
                c=j+1;
                product[i][j]=r*c;
                printf("    %i",product[i][j]);
                }
        printf(" \n");
        }
        getch();
}

/* Program of transpose of matrix */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,matrix[3][3],matrix1[3][3];
        clrscr();

        printf("Enter values of a matrix = ");
        for (a=0;a<=2;a++)
        {
                for (b=0;b<=2;b++)
                {
                scanf("%i",&matrix[a][b]);
                }

        }
        clrscr();
        printf("\n U entered the matrix = \n\n");
        for (a=0;a<=2;a++)
        {
                for (b=0;b<=2;b++)
                {
                printf(" %i",matrix[a][b]);
                }
        printf("\n");
        }
        printf("\t Transpose of  Matrix\t\n\n");

        for (a=0;a<=2;a++)
        {
```

```
                    for (b=0;b<=2;b++)
                    {
                    printf(" %i",matrix[b][a]);
                    }
            printf("\n");
            }
            getch();
}


/* Program of subtraction of matrix */
#include<stdio.h>
#include<conio.h>
void main()
{
            int a,b,matrix1[3][3],matrix2[3][3],matrix3[3][3];
            clrscr();

            printf("Enter values of a matrix1 = ");
            for (a=0;a<=2;a++)
            {
                    for (b=0;b<=2;b++)
                    {
                    scanf("%i",&matrix1[a][b]);
                    }

            }
            printf("Enter values of a matrix2 = ");
            for (a=0;a<=2;a++)
            {
                    for (b=0;b<=2;b++)
                    {
                    scanf("%i",&matrix2[a][b]);
                    }

            }
            clrscr();
            for (a=0;a<=2;a++)
            {
                    for (b=0;b<=2;b++)
                    {
                    matrix3[a][b]=matrix1[a][b]-matrix2[a][b];
                    }

            }
            for (a=0;a<=2;a++)
            {
                    for (b=0;b<=2;b++)
                    {
                    printf("\t%i",matrix3[a][b]);
                    }
               printf("\n");
            }

            getch();
}
```

```c
/* Program of char array */
#include<stdio.h>
#include<conio.h>
void main()
{
        char name[]={'i','s','h','a','n','\0'};
        int a;
        clrscr();
        printf(" hello ");
        for (a=0;a<=5;a++)
        {
                printf("%c",name[a]);
        }
        getch();
}


/* Program to print the prime no. */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a;
        clrscr();
        printf("Enter a no. A between 1-100 = ");
        scanf("%i",&a);
        printf(" \n");
        getch();
}

/* Program to print the fibonacci series */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c,i;
        clrscr();
        a=0;
        b=1;
        for(i=0;i<=9;i++)
        {
        c=a+b;
        a=b;
        b=c;
        printf("  %i",c);
        }
        getch();
}

/* Program to understand sizeof operator */
#include<stdio.h>
#include<conio.h>
void main()
{
```

```c
        int i;
        i=20;
        clrscr();
        printf("size of the i = %d \n i = %d",sizeof(i),i);
        getch();
}

/* Program to understand strlen function */
#include<stdio.h>
#include<string.h>
void main(void)
{
   char string[22] = "Rajeev kumar Gupta";
   printf("%d\n", strlen(string));
}

/* Program to understand strcpy function */
#include<string.h>
#include<stdio.h>
#include<conio.h>
int main(void)
{

   char str1[40]="tamanna";
   char str2[26] ="Raj is nick name of Rajeev";
   clrscr();
   strcpy(str1,str2);
   printf("%s\n", str1);
   getch();
   return 0;
}

/* Program to understand strcat function */
#include <string.h>
#include <stdio.h>

int main(void)
{
   char destination[25];
   char *blank = " ", *c = "C++", *turbo = "Turbo";

   strcpy(destination, turbo);
   strcat(destination, blank);
   strcat(destination, c);

   printf("%s\n", destination);
   return 0;
}

/* Program to print the rectangle ,like given below

*********
*******
*****
****
**
```

```
*
                    */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b;
        char c;
        clrscr();
        c='*';
        for(a=0;a<=5;a++)
        {
                for(b=a;b<=5;b++)
                {
                printf("%c",c);
                }
                printf("\n");
        }
        getch();
}

/* Program to print the rectangle given below

*
***
*****
*******
*********                          */

#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b;
        char ch;
        clrscr();
        ch='*';
        for(a=0;a<=5;a++)
        {
                for(b=0;b<=a;b++)
                {
                printf("%c",ch);
                }
                printf("\n");
        }
        getch();
}

/* Program to find the Armstrong number */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a,b,c,d,num;
        clrscr();
        printf("****************************************************\n");
```

```c
          printf("\tArmstrong Number\n");
          printf("****************************************************\n\n");
          printf("Enter a no. betwwen 100 - 999 = ");
          scanf("%i",&num);
          a=num%10;
          b=num/100;
          c=(num/10)%10;
          d=a*a*a+b*b*b+c*c*c;
          if(num==d)
          {
          printf("This is an armstrong number");
          }
          else
          {
          printf("This is not an armstrong number");
          }
          getch();
}

/* Program to display the chirstmas tree
      *
     ***
    *****
   *******
  *********
      *
     ***
    *****
   *******
  *********
      *
     ***
    *****
   *******
  *********
     * *
     * *
     * *
*/
#include<stdio.h>
#include<conio.h>
void main()
{
          char ch='*',c=' ';
          int a,b,d;
          clrscr();
          for(d=0;d<3;d++)
          {
          for(a=0;a<1;a++)
          {
                    for(b=0;b<=4;b++)
                    {
                    printf("%c",c);
                    }
          printf("%c\n",ch);
          }
```

```c
        for(a=0;a<1;a++)
        {
                for(b=0;b<=3;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c\n",ch,ch,ch);
        }
        for(a=0;a<1;a++)
        {
                for(b=0;b<=2;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c%c%c\n",ch,ch,ch,ch,ch);
        }
        for(a=0;a<1;a++)
        {
                for(b=0;b<=1;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c%c%c%c%c\n",ch,ch,ch,ch,ch,ch,ch);
        }
        for(a=0;a<1;a++)
        {
                for(b=0;b<=0;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c%c%c%c%c%c%c\n",ch,ch,ch,ch,ch,ch,ch,ch,ch);
        }
        for(a=0;a<=10;a++)
        {
        printf("%c",ch);
        }
        printf("\n");
        }
        for(a=0;a<3;a++)
        {
        printf("    %c %c\n",ch,ch);
        }
        getch();
}


/* Program to display the pramid
     *
    ***
   *****
  *******
 *********
                                    */
#include<stdio.h>
#include<conio.h>
void main()
```

```c
{
        char ch='*',c=' ';
        int a,b;
        clrscr();
        for(a=0;a<1;a++)
        {
                for(b=0;b<=4;b++)
                {
                printf("%c",c);
                }
        printf("%c\n",ch);
        }
        for(a=0;a<1;a++)
        {
                for(b=0;b<=3;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c\n",ch,ch,ch);
        }
        for(a=0;a<1;a++)
        {
                for(b=0;b<=2;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c%c%c\n",ch,ch,ch,ch,ch);
        }
        for(a=0;a<1;a++)
        {
                for(b=0;b<=1;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c%c%c%c%c\n",ch,ch,ch,ch,ch,ch,ch);
        }
        for(a=0;a<1;a++)
        {
                for(b=0;b<=0;b++)
                {
                printf("%c",c);
                }
        printf("%c%c%c%c%c%c%c%c%c\n",ch,ch,ch,ch,ch,ch,ch,ch,ch);
        }
        for(a=0;a<=10;a++)
        {
        printf("%c",ch);
        }
        printf("\n");
        getch();
}


/* Program to find the Factors of a number */
#include<stdio.h>
#include<conio.h>
```

```c
void main()
{
        int num,a;
        clrscr();
        printf("**************************************************\n");
        printf("   \tFactors of a number\n");
        printf("**************************************************\n\n");
        printf("Enter a number between 1 - 1000 to see its factors = ");
        scanf("%i",&num);
        for(a=1;a<100;a++)
        {
                if((num%a)==0)
                {
                printf("%i ",a);
                }
        }
        getch();
}


/* Program of call by value */
#include<stdio.h>
#include<conio.h>
void sum(int,int);
void main()
{
        int a,b;
        clrscr();
        printf("Enter two numbers to be added = ");
        scanf("%i%i",&a,&b);
        sum(a,b);
        getch();
}
void sum(int p,int q)
{
        int z;
        z=p+q;
        printf("Result = %i",z);
}


/* Program of pointer */
#include<stdio.h>
#include<conio.h>
void main()
{
        int a=5;
        int* p;
        clrscr();
        p=&a;
        printf("\n a= %d",a);
        printf("\n the address of a = %u",&a);
        printf("\n the address of a = %d",p);
        printf("\n the address of a = %u",p);
        getch();
}
```

```c
/* Program of   the pointer   */
#include<stdio.h>
#include<conio.h>
void main()
{
        int z[]={1,2,3,4,5};
        int *p;
        p=&z[0];
        clrscr();
        printf("\n%u",p);
        printf("\n%u",&p);
        *p=*p+1;
        printf("\n %d",*p);
        *p=*(p+10);
        printf("\n%d",*p);
        //z=z+2;
        printf("\n%d",z);
        getch();
}

/* DEFINING AND ASSIGNING VALUEDS TO STRUCTURE MEMBERS */
#include<stdio.h>
#include<conio.h>
struct personal
        {
                char name[20];
                int day;
                char month;
                int year;
                float salary;
        };

void main()
        {
                struct personal person;
                clrscr();
                printf("Input Values\n");
                scanf("%s %d %s %d %f",person.name,&person.day,person.month,&person.year,&person.salary);
                printf("%s %d %s %d %f",person.name,person.day,person.month,person.year,person.salary);
            getch();
        }

/* Program to show the use of structure */
#include<stdio.h>
#include<conio.h>
struct library
        {
                char name[10];
                char author[2];
                int edition;
                char publisher[20];
                float pr;
        };

void main()
```

```c
{
        int i;
        struct library book;
        clrscr();
        printf("Input The Follwing Values :-\n");
        //for(i=0;i<=2;i++)
        //{
        printf("Name of book - ");
        scanf("%s",book.name);
        printf("Author - ");
        scanf("%s",book.author);
        printf("Edition - ");
        scanf("%d",&book.edition);
        fflush(stdin);
        printf("Publisher -");
        scanf("%s",book.publisher);
        printf("price -");
        scanf("%f",&book.pr);


                printf("Name of book - %s\n",book.name);
                printf("Author - %s\n",book.author);
                printf("Edition - %d\n",book.edition);
                printf("Publisher - %s\n",book.publisher);
                printf("price - %f",book.pr);
                getch();

}

/* Program to show the use of structure */
#include<stdio.h>
#include<conio.h>
struct library
        {
                char name[10];
                char author[2];
                int edition;
                char publisher[20];
                int pr;
        };

void main()
{
        int i;
        struct library book[3];
        clrscr();
        printf("Input The Follwing Values :-\n");
    for(i=0;i<=2;i++)
    {
        printf("Name of book - ");
        scanf("%s",book[i].name);
        printf("Author - ");
        scanf("%s",book[i].author);
        printf("Edition - ");
        scanf("%d",&book[i].edition);
        fflush(stdin);
```

```c
            printf("Publisher -");
            scanf("%s",book[i].publisher);
            printf("price -");
            scanf("%d",&book[i].pr);
            }
            for(i=0;i<=2;i++)
            {
                        printf("Name of book - %s\n",book[i].name);
                        printf("Author - %s\n",book[i].author);
                        printf("Edition - %d\n",book[i].edition);
                        printf("Publisher - %s\n",book[i].publisher);
                        printf("price - %d",book[i].pr);


            }
            getch();

}

/* Program to show the use of multiple structure */
#include<stdio.h>
#include<conio.h>

struct abc
{
            int a;
            char b;
};
struct xyz
{
            int x;
            char y;
};
void main()
{
            struct abc v1;
            struct xyz v2;
                v1.a=10;
                v1.b='k';
                v2.x=54;
                v2.y='m';
                        printf("%d ",v1.a);
                        printf("%d ",v2.x);
                        printf("%c ",v1.b);
                        printf("%c ",v2.y);
}

/* Program to show the use of multiple structure */
#include<stdio.h>
#include<conio.h>

struct abc
{
            int a;
            char b;
};
```

```
struct xyz
{
        int x;
        char y;
};
void main()
{
        struct abc v1;
        struct xyz v2;
            v1.a=10;
            v1.b='k';
            v2.x=54;
            v2.y='m';
                    printf("%d ",v1.a);
                    printf("%d ",v2.x);
                    printf("%c ",v1.b);
                    printf("%c ",v2.y);
}


/* Program to show the use of union */
#include<stdio.h>
#include<conio.h>

union abc
{
        int a;
        char b;
};
void main()
{
        union abc v1;
        clrscr();
            v1.a=10;
            v1.b='a';
            printf("%d ",v1.a);
            printf("%c ",v1.b);
            getch();
}


/* Program to show the use of union */
#include<stdio.h>
#include<conio.h>

union abc
{
        int a;
        char b;
};
void main()
{
        union abc v1;
        clrscr();
            v1.a=10;
            v1.b='a';
            printf("%d ",v1.a);
```

```c
        printf("%c ",v1.b);
        getch();
}


/* Program to show the use of File Handling with string */
#include<stdio.h>
#include<conio.h>
void main()
{
        FILE *p;
        char str[10];
        int i;
        clrscr();

        p=fopen("zzz.txt","w+");
        for(i=0;i<=4;i++)
        {
        printf(" enter a string = ");
        scanf("%s" ,str);
        fputs(str,p);
        }
        rewind(p);
        while(!feof(p))
        {
                fgets(str,5,p);
                printf(" %s",str);
        }
        fclose(p);
        getch();
}

/* Program to show the use of File Handling with string */
#include <stdio.h>
#include <dir.h>

int main(void)
 {
    FILE *fp;
    char first;

    fp = fopen("chinkara","w+");
    fprintf(fp,"abcdefghijklmnopqrstuvwxyz");
    rewind(fp);
    while(!feof(fp))
    {
    fscanf(fp,"%c",&first);
    printf("The first character is: %c\n",first);
    }
    fclose(fp);
    return 0;
}

/* Program to copy the contents of one file into another file */
#include<stdio.h>
#include<conio.h>
```

```c
#include<dir.h>
void main()
{
        FILE *sf,*tf; char ch;
        clrscr();
        sf=fopen("abc.txt","r");
        tf=fopen("xyz.txt","r+");
        if(tf!=NULL)
        {
                printf("File xyz.txt already exists");
                printf("Refuse the copy operation");
        }
        else
        {
                tf=fopen("xyz.txt","w");
                while(!feof(sf))
                {
                        ch=fgetc(sf);
                        fputc(ch,tf);
                }
        }
        fclose(sf);
        fclose(tf);
        getch();
}

/* Program to find the simple interest & use of typedef */
#include<stdio.h>
#include<conio.h>
void main()
{
        typedef int ishan;
        ishan i,p,r,t,a;
        clrscr();
        a=100;
        printf("enter principal= ");
        scanf("%i",&p);
        printf("enter rate = ");
        scanf("%i",&r);
        printf("enter time(years)= ");
        scanf("%i",&t);
        i=p*r*t/a;
        printf("Interst =%iRs.",i);
        getch();
}


/* Program of  pointer   */
#include<stdio.h>
#include<conio.h>
void main()
{
        int z[]={1,2,3,4,5};
        int *p;
        p=&z[0];
        clrscr();
```

```
        printf("\n%u",p);
        printf("\n%u",&p);
        *p=*p+1;
        printf("\n %d",*p);
        *p=*(p+10);
        printf("\n%d",*p);
        //z=z+2;
        printf("\n%d",z);
        getch();
}
```

```
#include"check.c"
#include"conio.h"
void main()
{
        clrscr();
        printf("%d",AGE);
}
```

// Save this file by check.c name

```
#define AGE 23
#include"stdio.h"
```

Myfil.c

```
#include<stdio.h>
#include<conio.h>
void myfun();
void myfun()
{
        printf("hi this is myfun \n");
}
```

myfile1.c

```
void myfun1();
void myfun1()
{
    printf("hi this is header \n");
    myfun();
    printf("hi this is myfun1 \n");
}
```

myfile2.c

```
#include<e:\rajsir\cprg\myfile.c>
#include<e:\rajsir\cprg\myfile1.c>
void main()
{
        clrscr();
        printf("hi this is header \n");
        myfun();
        myfun1();
```

```c
        printf("hi this is footer \n");

}
```

Myfile.c

```c
#include<stdio.h>
#include<conio.h>
void myfun();
#ifndef _myfile_c
        #define _myfile_c
        void myfun()
        {
                printf("hi this is myfun \n");
        }
#endif
```

myfile1.c

```c
void myfun1();
void myfun1()
{
    printf("hi this is header \n");
    myfun();
    printf("hi this is myfun1 \n");
}
```

myfile2.c

```c
#include<e:\rajsir\cprg\myfile.c>
#include<e:\rajsir\cprg\myfile1.c>
void main()
{
        clrscr();
        printf("hi this is header \n");
        myfun();
        myfun1();
        printf("hi this is footer \n");

}
```