

<pre> char name[]="CoMPutER"; (or char *name="CoMPutER"); for (int x=0;x<strlen(name);x++) if (islower(name[x])) name[x]=toupper(name[x]) ; else if(isupper(name[x])) if(x%2==0) name[x]=tolower(name[x]); else name[x]=name[x-1]; cout<<name; </pre>	<pre> char name[]="IntRAneT"; (or char *name="IntRAneT"); for (int x=0;x<strlen(name);x++) if (islower(name[x])) name[x]=toupper(name[x]) ; else if(isupper(name[x])) if(x%2==0) name[x]=tolower(name[x]); else name[x]=name[x-1]; cout<<name; </pre>	<pre> char name[]="a ProFiLe"; (or char *name) for (int x=0;x<strlen(name);x++) if (islower(name[x])) name[x]=toupper(name[x]); else if(isupper(name[x])) if(x%2!=0) name[x]=tolower(name[x-1]); else name[x]--; cout<<name; </pre>
<pre> void exec(int &b,int c=200) { int temp=b+c; b+-temp; if(c==200) cout<<temp<<b<<c<<endl; } void main() { int m=50,n=20; exec(n); cout<<m<<n<<endl; exec(m,n); cout<<m<<n<<endl; } </pre>	<pre> int fun(int &x,int y=10) { if(x%y==0) return ++x ; else return y--; } void main() { int p=20,q=23; q=fun(p,q); cout<<p<<q<<endl; p=fun(q); cout<<p<<q<<endl; q=fun(p); cout<<p<<q<<endl; } </pre>	<pre> int g=20; void fun(int &x,int y) { x=x-y; y=x*10; cout<<x<<","<<y<<"\n"; } void main() { int g=7; fun(g,:g); cout<<g<<","<<::g<<"\n"; fun(::g,g); cout<<g<<","<<::g<<"\n"; } </pre>
<pre> int max(int &x, int &y, int &z) { if(x>y&&y>z) { y++;z++;return x; } else if(y>z) return y; else return z; } void main() {int a=10,b=13,c=8; </pre>	<pre> int &max(int &x, int &y, int &z) { if(x>y&&y>z) { y++;z++;return x; } else if(y>z) return y; else return z; } void main() {int a=10,b=13,c=8; </pre>	<pre> void print(int a) { cout<<"int";} void print(int *p) { cout<<"int*";} void print(char *a) {cout<<"char";} void print(double a) {cout<<"double";} void print(float a) {cout<<"float a";} void main() {print(7.9); print ("abc"); print('c'); } </pre>

<pre>a=max(a,b,c); cout<<a<<b<<c<<'\n'; b=max(a,b,c); cout<<++a<<++b<<+ +c<<'\n'; c=max(a,b,c); cout<<a++<<++b<<+ +c<<'\n'; } char *s="GOODLUCK"; for (int x=strlen(s)- 1;x>=0;x--) { for(int y=0;y<=x;y++) cout<<s[y]; cout<<endl; }</pre>	<pre>max(a,b,c)=3; cout<<a<<b<<c<<'\n'; b+=max(b,a,c); cout<<++a<<++b<<+ +c<<'\n'; c=max(c,a,b); cout<<a++<<++b<<+ +c<<'\n'; } void main() {int array[]={2,3,4,5}; int *ar=array; int v=*ar; cout<<v<<'\n'; v=*ar++; cout<<v<<'\n'; v=*ar; cout<<v<<'\n'; v=++ar; cout<<v<<'\n'; }</pre>	<pre>int a[]={5,6,7}; print(a); print(*a); print(7.9f); } char *s="ObjeCT"; int l=strlen(s); for(int c=0;c<l;c++) if (islower(s[c])) s[c]=toupper(s[c]); else if(c%2==0) s[c]='E'; else s[c]=tolower(s[c]); cout<<"new message"<<s;</pre>
<pre>void print(char *p) { p="pass"; cout<<"value is:"<<p<<'\n'; } void main() { char *q="best of luck"; print(q); cout<<"new value is:"<<q; }</pre>	<pre>void fun(char *q) { strcpy(q,"change"); cout<<"\n in function=<<q<<*q; } void main() { char *p="original"; fun(p++); cout<<"\n in main"<<p<<*p; }</pre>	<pre>void print(char **p) { char *s=pass; *p=s; cout<<"value is:"<<*p<<'\n'; } void main() {char *q="best of luck"; print(&q); cout<<"new value is:"<<q; }</pre>
<pre>void main() { int x=5,y=5; cout<<x--; cout<<","; cout<<--x; cout<<","; cout<<y--<<","<<--y; }</pre>	<pre>static int l=100; void abc() { static int l=8; cout<<"first="<<l; } void main() { static int l=2; abc(); cout<<"second="<<l<<endl; }</pre>	<pre>void main() { int z[3][4] = {1,2,3,4,5,6,7,8,9,10,11, 12}; int a,b; for(a=0;a<3;a++) for(b=0;b<4;++b) if(z[a][b] %2==1) z[a][b]--; for(a=0;a<3;+a) { cout<<endl; for(b=0;b<4;b++) cout<<z[a] [b]<<"\t"; }</pre>
<pre>int a=3; void demo(int x,int y, int &z) { a+=x+y;</pre>	<pre>#include<iostream.h> int m=2; void main() { int m=15;</pre>	<pre>int area(int s) { return s*s; } float area(int b,int h)</pre>

<pre> z=a+y; y+=x; cout<<x<<y<<z; } void main() { int a=2,b=5; demo(::a,a,b); cout<<::a<<a<<b<<endl; demo(::a,a,b); } </pre>	<pre> { int m=10*m; cout<<"m="<<m<<endl; cout<<"::m="<<::m<<endl; } cout<<"m="<<m<<endl; cout<<"::m="<<::m<<endl; } </pre>	<pre> { return 0.5*b*h; } void main() { float a; a=area(3); cout<<area(5)<<endl; cout<<area(4,3)<<endl; cout<<area(6,area(3))<<endl; } </pre>
<pre> class counter {private: unsigned int cnt; // different cnt for different //objects public: counter(){ cnt=0;} void incnt() { cnt++; } int getcnt() { return cnt; } }; void main() { counter c1,c2; cout<<"\ nc1=<<c1.getcnt(); cout<<"\ nc2=<<c2.getcnt(); c1.incnt(); c2.incnt(); c2.incnt(); cout<<"\ nc1=<<c1.getcnt(); cout<<"\ nc2=<<c2.getcnt(); } </pre>	<pre> class counter { private: static int cnt; // same cnt for all objects public: void incnt() { cnt++; } int getcnt() { return cnt; } }; counter::cnt=0; void main() { counter c1,c2; cout<<"\ nc1=<<Tc1.getcnt(); cout<<"\ nc2=<<c2.getcnt(); c1.incnt(); c2.incnt(); c2.incnt(); cout<<"\ nc1=<<c1.getcnt(); cout<<"\ nc2=<<c2.getcnt(); } </pre>	<pre> int &max(int &x,int &y) { if(x>y) return x; else return y; } void main() { int a=10,b=13; max(a,b)= -1; cout<<"a=<<a<<"b=<<b; max(b,a)= 7; cout<<"a=<<a+<<"b=<<b-<<'\ max(a,b)=3; cout<<"a=<<a<<"b=<<b<<endl; } </pre>
<pre> void main() { int a[]={3,5,6,7}; int *p,**q,***r,*s,*t,**s; p=a; s=p+1; q=&s; t=*q+1; ss=&t; r=&ss; cout<<*p<<"\ t"<<**q<<"\t"; cout<<***r<<"\n"; } </pre>	<pre> void main() { struct point { int x,y; }poly[]={{1,2},{1,4}, {2,4},{2,2}}; point *a; a=poly; a++; a->x++; cout<<polygon->x<<endl; } </pre>	<pre> void junk(int a, int*b) { a=a*a; *b=*b * *b; } void main() { int l=6,j=-4; junk(l,&j); cout<<"l=<<l<<"j=<<j; } </pre>
<pre> void main() { </pre>	<pre> #include <iostream.h> struct Game { </pre>	<pre> void main() { </pre>

<pre> int a=32, *x=&a; char ch=65, &cho=ch; cho+=a; *x+=ch; cout<<x<<","<<y; } </pre>	<pre> char Magic[20];int Score; }; void main() { Game M={"Tiger",500}; char *Choice; Choice=M.Magic; Choice[4]='P'; Choice[2]='L'; M.Score+=50; cout<<M.Magic<<M.Score<<endl; Game N=M; N.Magic[0]='A';N.Magic[3]='J'; N.Score-=120; cout<<N.Magic<<N.Score<<endl; } </pre>	<pre> char *p="Difficult"; char c; c=++*p++; printf("%c",c); } </pre>
<pre> struct pixel {int c,r; }; void display(pixel p) {cout<<"col"<<p.c<<"row" "<< p.r<<'\n'; } void main() {pixel x={40,50},y,z; z=x; x.c+=10; y=z; y.c+=10; y.r+=20; z.c-=15; display(x); display(y); display(z); } </pre>	<pre> struct point {int x,y; }; void show(point p) {cout<<"p.x<<":"<<p.y<<endl; } void main() {point u={20,10},v,w; v=u; v.x+=20; w=v; u.y+=10; u.x+=5; w.x-=5; show(u); show(v); show(w); } </pre>	<pre> void main() { struct s1 {char *str; s1 *ptr; }; s1 arr[]= {{"parul",arr+1}, {"neha",arr+2}, {"khush",arr}}; s1 *p[3]; for(int l=0;l<3;l++) p[l]=arr[l].ptr; cout<<p[0]->str<<"\n"; cout<<(*p)->str<<endl; cout<<(**p).str<<endl; } </pre>
<pre> int sum(int a[],int size); void main() { int v[]= {1,3,5,7,9,11,13,15,17,19}; int s1=0,s2=0; s1=sum(v,10); s2=sum(v+4,6); cout<<"s1="<<s1<<"\n" <<"s2="<<s2<<'\n'; } int sum(int b[],int size) { for(int l=0,s=0;l<size;l++) s+=arr[l]; return s; } </pre>	<pre> void change(char t[],int &c) { char *p=t; int l=strlen(t); for(;c<l-2;c+=2,p++) { *(p+c)=toupper(*(p+c)); } } void main() { int pos=0; char msg[]="Pointers Fun"; change(msg,pos); cout<<msg<<"@"<<pos; } </pre>	<pre> void main() {static int a[]={0,1,2,3,4}; static int *p[]={a,a+2,a+1,a+4,a+3}; int **ptr; ptr=p; cout<<**++ptr; cout<<**ptr++; } void main() { char s[]="Pointers and Strings"; cout<<*&s[2]<<"\n"; cout.write(s+5,14).put("\n"); cout.write(s,20).put("\n"); cout<<(s+3)<<"\n"; } </pre>

<pre> int calc(int u) { if(u%2==0) return u+10; else return u*2; } void pattern(char m, int b=2) { for(int cnt=0;cnt<b;cnt++) cout<<calc(cnt)<<m; cout<<endl; } void main() {pattern('*'); pattern('#', 4); pattern('@',3); } </pre>	<pre> int exec(int m) { if(m%3==0) return m*3; else return m+10; } void output(int b=2) { for(int t=0;t<b;t++) cout<<exec(t)<<"*"; cout<<"\n"; } void main() { output(4); output(); output(3); } </pre>	<pre> void main() {int l=3; printf("%d%d%d",l+5,l-4,l); } void sumfn(int last) {auto int sum=0; static int sum2=0; for(int l=last;l>0;l--) sum+=l; sum2+=sum; cout<<sum<<"" <<sum2<<endl; } void main() { for (int l=1;l<11;l++) sumfn(l); } #include <iostream.h> void Changethecontent(int Arr[], int Count) { for (int C=1;C<Count;C++) Arr[C-1]=Arr[C]; } void main() { int A[] ={3,4,5},B[]={10,20,30,4 0},C[]={900,1200}; Changethecontent(A,3); Changethecontent(B,4); Changethecontent(C,2); for (int L=0;L<3;L++) cout<<A[L]<<'#'; cout<<endl; for (L=0;L<4;L++) cout<<B[L]<<'#'; cout<<endl; for (L=0;L<2;L++) cout<<C[L]<<'#'; } </pre>

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class per
{
char name[20];
float sal;
public:
per(char *s,float a)
{
strcpy(name,s);sal=a;
}
per *gr(per &x)
{
if(x.sal>=sal) return &x;
else return this;
}
void display()
{
cout<<"name:"<<name<<'\n';
cout<<"salary:"<<sal<<'\n';
}
};
void main()
{per p1("reema",10000),
p2("Krishnan",20000),p3("george",5000);
per *p;
p=p1.gr(p3); p->display();
p=p2.gr(p3); p->display();
}

```

```

class per
{char name[20];
float age;
public:
per(char *s,float a)
{
strcpy(name,s);age=a;
}
per &gr(per &x)
{
if(x.age>=age) return x;
else return *this;
}
void display()
{
cout<<"name:"<<name<<'\n';
cout<<"age:"<<age<<'\n';
};
void main()
{per p1("ramu",27.5),
p2("raju",53), p3("kalu",40);
per p("\0",0);
p=p1.gr(p3); p.display();
p=p2.gr(p3); p.display();
}

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int c;
class block
{ public:
block()
{ cout<<"\nobject created
<<++c;"}
~block()
{cout<<"\n object
destroyed"<<c--;}
};
block b1;
void main()
{block b2;
void fun();
fun();
{ block b3;
fun();
}
block b4;
}
void fun()
{block b5;
}

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<pre> struct subject { char topic[30]; int hours; }; void alterin(subject a) { strcpy(a.topic,"Motion"); a.hours-=2; } void alterout(subject &a, int b) { strcat(a.topic,"Algebra") a.hours+=b; } void main() { subject s[3] = {"Light",20}, {"Molecules",10}, {"Linear",30}; for(int i=0;i<3;i++) { s[i].topic[i]+=2; s[i].hours-=2; } alterout(s[2],4); alterin(s[1]); alterout(s[0],5); for(i=0;i<3;i++) { cout<< s[i].topic<<" requires " << s[i].hours<<" hours \n"; } } ===== void main () { int Track [] = {10, 20, 30, 40}, *Striker ; Striker=Track : Track [1] += 30 ; cout<<"Striker"><<*Striker< <endl ; Striker -= 10 ; Striker++ ; cout<<"Next@"<<*Striker<<e nd1 ; Striker+=2 ; cout<<"Last@"<<*Striker<<e nd1 ; cout<< "Reset To" <<Track[0] <<endl ; } ===== typedef char Txt80[80]; void main () { Char *PTexti Txt80 Txt="Ur2GReAt"; } </pre>	<pre> void cnvrt(char s[],int l) { for(int c=0;c<l;c++) { if(isupper(s[c])) s[c]=tolower(s[c]); elseif(if(islower(s[c]))) s[c]=toupper(s[c]); if(isdigit(s[c])) s[c]=s[c]+1; else s[c]='*'; } } void main() { char t[]="CBSE Exam 2005"; int s=strlen(t); cnvrt(t,s); cout<<t<<'\n'; for(int c=0,r=s-1;c<=s/2;c++ ,r--) { char temp=t[c]; t[c]=t[r]; t[r]=temp; } cout<<text<<endl; } ===== class TRAIN { int Tno, TripNo, PersonCount; public: TRAIN(int Tmno=l) { Tno=Tmno;TripNo=0; PersonCount=0; } void Trip(int TC=100) { TripNo+ +;PersonCount+=TC; } void Show() { cout<<Tno<<":"<<TripNo<<" <<PersonCount<<endl; } } void main () { TRAIN T(10) ,N; N. Trip (); T . Show (); T.Trip(70); N.Trip(40); N. Show (); T . Show (); } </pre>	<pre> void main() { char a[]="MinD2CHaT"; for (int i=0;a[i]!='\0';i+ +) { char ch= a[i]>='a'&&a[i]<='j' ? a[i]-32 : a[i] +1; if(isupper(ch)) a[i]=tolower(ch); else if(isdigit(ch)) a[i]*=2; else a[i]=toupper(ch); cout<<ch; } cout<<"\nChanged String = "<<a; } </pre>
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