Chapter: 1

//program 1://

#include<conio.h>

#include<iostream>

using namespace std;

class Sample{

int a,b,c;

public:

int input(){

int x,y;

cout<<"Enter value for x:"<<"\n";

cin>>x;

cout<<"Enter value for y:";

cin>>y;

a=x;

b=y;

}

int Addition(){

c=a+b;

}

int Display(){

cout<<"addition is :"<<c;

}

};

main(){

Sample ob;

ob.input();

ob.Addition();

ob.Display();

getch();

}

//program 2://

#include<conio.h>

#include<iostream>

#include<cstring>

using namespace std;

class Sky{

char name[63],address[55];

public:

void stores(char\*n, char \*a){

strcpy(name,n);

strcpy(address,a);

}

void display(){

cout<<"name is "<<name<<"\n\n";

cout<<"address is "<<address;

}

};

main(){

Sky ob;

ob.stores("kaushru", "lakshum comilla");

ob.display();

getch();

}

//program 3://

#include<iostream>

#include<conio.h>

using namespace std;

void min(int x,int y);

void min(double k,char \*t,int d);

main(){

int a,b;

double m;

char t[50];

int c;

cout<<"Enter a=";

cin>>a;

cout<<"Enter b=";

cin>>b;

cout<<"Enter m=";

cin>>m;

cout<<"Enter t=";

cin>>t;

cout<<"Enter c=";

cin>>c;

min(a,b);

min(m,t,c);

getch();

}

void min(int x,int y){

if(x<y)

cout<<"Minimum integer number is="<<x<<"\n\n";

else

cout<<"Minimum integer number is="<<y<<"\n";

}

void min(double k,char \*t,int d){

cout<<"double number is="<<k<<"\n\n";

cout<<"Character is="<<t<<"\n\n";

cout<<"integer number is="<<d;

}

//program 5://

#include<conio.h>

#include<iostream>

#include<cstring>

using namespace std;

class card{

char title[63],author[55];

int number;

public:

void stores(char\*n, char \*a, int r){

strcpy(title,n);

strcpy(author,a);

number=r;

}

void show(){

cout<<"book's title-----> "<<title<<"\n\n";

cout<<"author name-----> "<<author<<"\n\n";

cout<<"number on hand-----> "<<number<<"\n\n";

}

};

main(){

card ob;

ob.stores("tech your self c++", " herbert schildth",44);

ob.show();

getch();

}

//program 7://

#include<conio.h>

#include<iostream>

#include<cstring>

using namespace std;

class Student{

char name[63],GPA[55],roll[55];

public:

void stores(char\*n, char \*a, char \*r){

strcpy(name,n);

strcpy(GPA,a);

strcpy(roll,r);

}

void display(){

cout<<"name is-----> "<<name<<"\n\n";

cout<<"GPA is-----> "<<GPA<<"\n\n";

cout<<"Roll is-----> "<<roll<<"\n\n";

}

};

main(){

Student ob;

ob.stores("kaushru", "A+","55");

ob.display();

getch();

}

Chapter 2

Program 2:

#include<conio.h>

#include<iostream>

#include<ctime>

using namespace std;

class t\_and\_d{

time\_t systime;

public:

t\_and\_d(time\_t t){

systime=t;

}

void show(){

cout<<"time "<<ctime(& systime);

}

};

main(){

time\_t x;

x=time(NULL);

t\_and\_d ob(x);

ob.show();

getch();

}

//Program 3://

#include<iostream>

#include<conio.h>

using namespace std;

class Box{

double h,l,w,volume;

public:

Box(double a, double b, double c){

h=a;

l=b;

w=c;

volume=h\*l\*w;

}

void vol(){

cout<<"volume of the box is :"<<volume<<"\n\n\n";

}

};

main(){

Box m(1.2,4.5,3.1), n(1.23,1.50,2.3);

m.vol();

n.vol();

getch();

}

Chapter 3

//Program :1//

#include<iostream>

#include<conio.h>

using namespace std;

class Stact{

int a,b;

public:

int set(int x, int y){

a=x;

b=y;

}

int show(){

cout<<a<<" "<<b<<"\n";

}

};

main(){

Stact o1,o2;

o1.set(10,50);

o2=o1;

o1.show();

o2.show();

getch();

}

Program: 2

#include<conio.h>

#include <iostream>

using namespace std;

class pr1 {

int a;

public:

pr1(){

int i;

cout<<"press the key "<<"\n\n\n";

cin>>i;

a=i;

}

friend class pr2;

};

class pr2 {

public:

int inuse(pr1 x){

return x.a;

}

};

main()

{

pr1 ob;

pr2 z;

cout<<"\n\pr1 asked pr2 about status --->"<<"\n\n\n\n";

cout<<">>>>>>>>>>> Status Checking......"<<"\n\n\n";

if(z.inuse(ob)>3)

cout<<" Working now";

else

cout<<" Not working";

cout<<"\n \n \n \n \n\t \t \t <<<<<<< Thank you Sir >>>>>>>";

getch();

}

Chapter 4

//Program :1//

#include<iostream>

#include<conio.h>

using namespace std;

main(){

long \*p;

float \*i;

char \*j[50];

p=new long;

i=new float;

j[50]=new char;

\*p=1000;

\*i=5.1;

\*j="kaushru";

cout<<\*p<<"\n"<<\*i<<"\n"<<\*j;

delete p,i,j[50];

getch();

}

Program: 2

#include<iostream>

#include<conio.h>

using namespace std;

class person{

char name[40],phone[40];

public:

void put(char \*n, char\*p){

strcpy(name,n);

strcpy(phone,p);

}

void display(){

cout<<"name of this person "<<name<<"\n";

cout<<"phone number "<<phone;

}

};

main(){

person \*k;

k=new person;

if(!k){

cout<<"allocation error";

return 1;

}

k->put("omar kaushru", "166516");

k->display();

delete k;

getch();

}

//program: 3//

#include<iostream>

#include<conio.h>

using namespace std;

class samp{

int a,b;

public:

samp(int n, int m) {

a=n;

b=m;

}

int get\_a() {

return a;

}

int get\_b() {

return b;

}

};

main()

{

samp ob[4] = {

samp(1,2),

samp(3,4),

samp(5,6),

samp(7,8)

};

int i;

samp \*p;

p=ob;

for(i=0; i<4; i++) {

cout<<p->get\_a() <<" ";

cout<<p->get\_b() <<"\n";

p++;

}

cout<<"\n";

getch();

}

// program:4//

#include<iostream>

#include<conio.h>

using namespace std;

class samp{

int a,b;

public:

samp(int n, int m) {

a=n;

b=m;

}

int get\_a() {

return a;

}

int get\_b() {

return b;

}

};

main()

{

samp ob[4] = {

samp(1,2),

samp(3,4),

samp(5,6),

samp(7,8)

};

int i;

samp \*p;

p=ob;

for(i=0; i<4; i++) {

cout<<p->get\_a() <<" ";

cout<<p->get\_b() <<"\n";

p++;

}

cout<<"\n";

getch();

}

Chapter 5

//Program 1//

#include<iostream>

#include<conio.h>

using namespace std;

void Area(int i=4, int j=5, int k=0){

cout<<i<<"\t";

cout<<j<<"\t";

cout<<k<<"\t";

cout<<"\n";

}

main(){

Area(1);

Area(2,4);

Area(1,5,7);

getch();

}