**1**

#include <iostream>

using namespace std;

int main() {

int arr[5]={2,-6,5,-7,-11};

int count=0;

for(int i=0; i<5; i++){

if(arr[i]<0){

count++;

}

}

cout<<"Negative no. = "<<count;

return 0;

}

**2**

#include <iostream>

using namespace std;

int main() {

int arr[5];

for(int i=0; i<5; i++){

cin>>arr[i];

}

int max=arr[0];

for(int i=0; i<5; i++){

if(arr[i]>max){

max=arr[i];

}

}

cout<<"Maximum = "<<max;

return 0;

}

**3**

#include<bits/stdc++.h>

using namespace std;

int main()

{

int a[5] = {1,5,8,12,18};

int b[7] = {3,5,6,11,13,15,30};

int c[12];

int i=0,j=0,k=0;

while(i<5&&j<7){

if(a[i]<b[j]){

c[k]=a[i];

i++;

k++;

}

else{

c[k]=b[j];

j++;

k++;

}

}

while(i<5){

c[k]=a[i];

i++;

k++;

}

while(j<7){

c[k]=b[j];

j++;

k++;

}

for(int k=0; k<12; k++){

cout<<c[k]<<' ';

}

}

**4**

#include <iostream>

using namespace std;

int main() {

int arr[5];

for(int i=0; i<5; i++){

cin>>arr[i];

}

int revArr[5];

int j=0;

for(int i=4; i>=0; i--){

revArr[j]=arr[i];

j++;

}

for(int i=0; i<5; i++){

cout<<revArr[i];

}

return 0;

}

**5**

#include <iostream>

using namespace std;

int main() {

int arr[5]={44,45,4,45,44};

int j=5-1, flag=0;

for (int i=0; i<5/2; i++){

if(arr[i]!=arr[j]){

cout<<"Not palindrom";

flag=1;

break;

}

j--;

}

if(flag==0){

cout<<"Palindrom";

}

}

**6**

#include <iostream>

using namespace std;

int main() {

int arr[5]={44,45,4,45,44};

int search;

cout<<"Enter a no. you want to search : ";

cin>>search;

int flag=0;

for (int i=0; i<5; i++){

if(search==arr[i]){

cout<<"No. found at index = "<<i;

flag=1;

break;

}

}

if(flag==0){

cout<<"-1";

}

}

**7**

#include<iostream>

using namespace std;

int main()

{

int isunique = -1;

int a[10] = {10,10,25,3,4,6,8,5,2,4};

int len = sizeof(a)/sizeof(a[0]);

for(int i = 0 ; i < len ; i++)

{

int flag = 1;

for(int j = 0; j < len; j++)

{

if(i != j && a[i]==a[j])

{

flag = 0;

break;

}

}

if(flag == 1)

{

cout<<a[i]<<" ";

}

}

}

**8**

#include <iostream>

using namespace std;

int main()

{

int a[10] = {10,10,25,3,4,6,8,5,2,4};

int len = sizeof(a)/sizeof(a[0]);

for(int i = 0 ; i < len ; i++)

{

int count=1;

int flag=0;

for(int j = 0; j < len; j++)

{

if(i > j && a[i]==a[j])

{

flag=1;

break;

}

if(i < j && a[i]==a[j])

{

count++;

}

}

if(flag==0){

cout<<a[i]<<" present "<<count<<" time."<<endl;

}

}

}

**9**

#include<bits/stdc++.h>

using namespace std;

int main()

{

int a[10] = {10,1,25,3,4,6,3,5,2,41};

int len = sizeof(a)/sizeof(a[0]);

int duplicate = 0;

for(int i = 0 ; i < len ; i++)

{

int flag = 1;

for(int j = 0; j < len; j++)

{

if(i != j && a[i]==a[j])

{

flag = 0;

break;

}

}

if(flag==0){

duplicate++;

}

}

cout<<duplicate/2;

}

**10**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter a no. : ";

cin>>n;

for(int i=0; i<n; i++){

for(int j=0; j<n-i; j++){

cout<<" ";

}

for(int k=0; k<n; k++){

cout<<"\*";

}

cout<<"\n";

}

}

**11**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter a no. : ";

cin>>n;

for(int i=0; i<n; i++){

for(int j=0; j<=i; j++){

cout<<"8";

}

cout<<"\n";

}

}

**12**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter a no. : ";

cin>>n;

for(int i=0; i<n; i++){

for(int j=0; j<=i; j++){

cout<<"8";

}

cout<<"\n";

}

for(int i=1; i<n; i++){

for(int j=0; j<n-i; j++){

cout<<"8";

}

cout<<"\n";

}

}

**13**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter a no. : ";

cin>>n;

for(int i=0; i<n; i++){

for(int j=0; j<n-i; j++){

cout<<" ";

}

for(int j=0; j<=i\*2; j++){

cout<<"\*";

}

cout<<"\n";

}

for(int i=1; i<n; i++){

for(int j=0; j<=i; j++){

cout<<" ";

}

for(int j=i\*2; j<n\*2-1; j++){

cout<<"\*";

}

cout<<"\n";

}

}

**14**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter a no. : ";

cin>>n;

for(int i=0; i<n; i++){

if(i%2==0){

cout<<"12345"<<"\n";

}

else{

cout<<"54321"<<"\n";

}

}

}

**15**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter a no. : ";

cin>>n;

for(int i=0; i<n; i++){

if(i==0||i==n-1){

cout<<"11111"<<"\n";

}

else{

cout<<"10001"<<"\n";

}

}

}

**16**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter a no. : ";

cin>>n;

for(int i=1; i<=n; i++){

for(int k=i; k<n; k++){

cout<<k;

}

for(int j=0; j<i; j++){

cout<<"5";

}

cout<<"\n";

}

}