**NUMBER 1**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

int a;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

if(a>=array[i])

{

a = array[i];

}

}

cout << "SMALLEST = " << a;

}

**NUMBER 2**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

int a;

position = 0;

a = 1;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

if(a<=array[i])

{

a = array[i];

position = i;

}

}

cout << "SMALLEST = " << a;

}

**NUMBER 3**#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

int a;

int position;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

if(a>=array[i])

{

a = array[i];

position = i;

}

}

cout << "LARGEST = " << a;

cout << "\nELEMENT POSITION = " << position;

}

**NUMBER 4**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

int a;

a = 1;

int position;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

if(a<=array[i])

{

a = array[i];

position = i;

}

}

cout << "\nLARGEST = " << a;

cout << "\nELEMENT POSITION = " << position;

}

**NUMBER 5**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

int a;

int b;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

if(a>=array[i])

{

a = array[i];

}

else

{

b = array[i];

}

}

cout << "RANGE = " << b-a;

}

**NUMBER 6**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

}

if(array[1] > array[2] || array[2] > array[3] || array[3] > array[4] || array[5] > array[6])

{

cout << "FALSE";

}

else

{

cout<<"TRUE";

}

}

**NUMBER 7**

#include <iostream>

using namespace std;

int main()

{

int array[10];

int i;

int b;

int c;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

}

cout << "\nPRINT ARRAY\n";

for(i=1; i<=10; i++)

{

cout << array[i] << " ";

}

cout << "\nVALUE ADDED = ";

cin >> b;

cout << "\nPOSITION = ";

cin >> c;

int newarray [12];

for(i=12; i>=c; i--)

{

array[i] = array[i-1];

}

array[c] = b;

for(i=c-1; i<=1; i--)

{

array[i] = array[i];

}

cout << "\nNEW ARRAY\n";

for(i=1; i<10+2; i++)

{

cout<<array[i]<<" ";

}

}

**NUMBER 8**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

int a;

int b;

for(i=1; i<=10; i++)

{

cout << "ENTER VALUE " << i << " = ";

cin >> array[i];

}

cout << "\nPRINT ARRAY\n";

for(i=1; i<=10; i++)

{

cout << array[i] << " ";

}

cout << "\nENTER -1 TO REMOVE VALUE FROM ARRAY POSITION\n";

cin >> a;

if(a == -1)

{

cout << "\nARRAY POSITION REMOVED = ";

cin >> b;

}

cout << "\nNEW ARRAY\n";

for(i=1; i<b; i++)

{

cout << array[i] << " ";

}

cout << "0 ";

for(i=b + 1; i<=10; i++)

{

cout << array[i] << " ";

}

}

**NUMBER 9**

#include <iostream>

using namespace std;

int main()

{

int array[10];

int key;

int x;

int o;

int i;

for(x=1; x<=10; x++)

{

cout << "ENTER ARRAY VALUE = ";

cin >> array[x];

}

cout << "ENTER SEARCH VALUE = ";

cin >> key;

for(x=1; x<=10; x++)

{

if(array[x] == key)

{

o++;

i = x;

x = 99;

}

}

if(o>0)

{

cout<<"FOUND " << key << "\nINDEX POSITION = [" << i << "]";

}

else

{

cout << "-1 NOT FOUND";

}

}

**NUMBER 10**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[6];

int a;

int b;

int c;

int i;

for(i=1; i<=6; i++)

{

cout << "ENTER ARRAY VALUES " << i << " = ";

cin >> array[i];

}

b = array[1] + array[2] + array[3];

c = array[3] + array[4] + array[5] + array[6];

a = array[1] + array[2] + array[3] + array[4] + array[5] + array[6];

cout << "\nSUM OF ARRAY ELEMENTS 1-3 = " << b;

cout << "\nSUM OF ARRAY ELEMENTS 3-6 = " << c;

cout << "\nSUM OF ALL ARRAY ELEMENTS = " << a;

}

**NUMBER 11**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[10];

int i;

for(i=1; i<=10; i++)

{

cout << "ENTER ARRAY VALUES " << i << " = ";

cin >> array[i];

}

cout << "\nMIDDLE ELEMENT = " << array[8];

i = 0;

i = array[10];

array[10] = array[1];

array[1] = i;

cout << "\nSWAP ELEMENT 10 = " << array[10];

cout << "\nSWAP ELEMENT 1 = " << array[1];

}

**NUMBER 12**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[15];

int i;

for(i=1; i<=15; i++)

{

cout << "ENTER ARRAY VALUES " << i << " = ";

cin >> array[i];

}

cout << "\nMIDDLE ELEMENT = " << array[8];

i = 0;

i = array[9];

array[9] = array[7];

array[7] = i;

cout << "\nSWAP ELEMENT 9 = " << array[8];

cout << "\nSWAP ELEMENT 7 = " << array[7];

}

**NUMBER 13**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[15];

int i;

for(i=1; i<=15; i++)

{

cout << "ENTER ARRAY VALUES " << i << " = ";

cin >> array[i];

}

cout << "\nARRAY RIGHT OF THE MIDDLE IN REVERSE ORDER\n";

for(i=1; i<=7; i++)

{

cout << array[i] << " ";

}

for(i=15; i>=8; i--)

{

cout << array[i] << " ";

}

cout << "\nARRAY LEFT OF THE MIDDLE IN REVERSE ORDER\n";

for(i=7; i>=1; i--)

{

cout << array[i] << " ";

}

for(i=8; i<=15; i++)

{

cout << array[i] << " ";

}

cout << "\nMIDDLE ELEMENT = " << array[8];

}

**NUMBER 14**

#include <iostream>

#include <string>

using namespace std;

int main()

{

int array[5];

int i;

float a;

for(i=1; i<=5; i++)

{

cout << "ENTER TEST SCORE " << i << " = ";

cin >> array[i];

a += array[i];

}

a = a / 5;

cout << "TEST AVERAGE = " << a;

}