**Task 1**

#include <iostream>

using namespace std;

int main()

{

int arr[10] = {'a', 'b', 'c', 'd', 'e'};

for(int i = 0; i<=9; i++){

cin >> arr[i];

}

for(int i = 0; i<= 9; i++){

cout << arr[i] << " ";

}

return 0;

}

**Task 2**

#include <iostream>

using namespace std;

int main()

{

int sum = 0, product = 1;

int v,w,x,y,z;

cout<<"Enter five numbers: "<< endl;

cin>> v>>w>>x>>y>>z;

int arr[5] = {v,w,x,y,z};

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

sum += arr[i];

product \*= arr[i];

}

cout << "Sum is: " << sum << endl << "Product is: "<< product;

return 0;

}

**Task 3**

#include <iostream>

using namespace std;

int main()

{

int size = 7, half = size / 2;

char diam[size];

for (int i = 0; i <= size - 1; i++)

{

diam[i] = ' ';

}

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

{

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

{

if (j >= half - i && j <= half + i)

{

diam[j] = '\*';

}

else

{

diam[j] = ' ';

}

cout << diam[j];

}

cout << endl;

}

for (int i = half - 1; i >= 0; i--)

{

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

{

if (j >= half - i && j <= half + i)

{

diam[j] = '\*';

}

else

{

diam[j] = ' ';

}

cout << diam[j];

}

cout << endl;

}

return 0;

}