Task 1

#include<iostream>

using namespace std;

int main()

{

double num1,num2;

char op;

cin>>num1;

cin>>num2;

cin>>op;

switch (op)

{

case '+':

cout<<"Sum is: "<<num1+num2;

break;

case '-':

cout<<"Subtraction is: "<<num1-num2;

break;

case '\*':

cout<<"Multiplication is: "<<num1\*num2;

break;

case '/':

if(num2 == 0)

cout<<"cannot divide by zero";

else

cout<<"Division is: "<<num1/num2;

break;

}

return 0;

}

Task 2

#include <iostream>

using namespace std;

int main()

{

int rows,cols;

int i=1;

cin>>rows;

cin>>cols;

if(rows<=0 || cols <=0)

cout<<"no output";

else

{

while(i<=rows)

{

int j=1;

while(j<=cols)

{

cout<<0<<" ";

j++;

}

cout<<endl;

i++;

}

}

return 0;

}

Task 3

#include<iostream>

using namespace std;

int main()

{

int r,c,i=1;

cin>>r;

cin>>c;

if (r==0 || c==0)

cout<<"no output";

else

{

while(i<=r)

{

int j=1;

while(j<=c)

{

cout<<j;

j++;

}

cout<<endl;

i++;

}

}

return 0;

}

Task 4:

#include<iostream>

using namespace std;

int main()

{

int r,c,i=1;

cin>>r;

cin>>c;

if (r<=0 || c<=0)

cout<<"no output";

else

{

while(i<=r)

{

int j=1;

while(j<=c)

{

cout<<i<<" ";

j++;

}

cout<<endl;

i++;

}

}

return 0;

}

Task 5:

#include<iostream>

using namespace std;

int main()

{

int r,c,i=1, sum=1;

cin>>r;

cin>>c;

if (r<1 || c<1)

cout<<"no output";

else

{

while(r>=i)

{

int j=1;

while(c>=j)

{

cout<<sum<<" ";

sum++;

j++;

}

cout<<endl;

i++;

}

}

return 0;

}

Task 6:

#include<iostream>

using namespace std;

int main()

{

int n,cl, i=1;

cin>>n;

if(n<=0)

cout<<"no output";

else

{

while(i<=n)

{

int j=1;

while(j<=i)

{

cout<<j<<" ";

j++;

}

cout<<endl;

i++;

}

}

return 0;

}

Task 7:

#include <iostream>

using namespace std;

int main()

{

int n,i;

cin>>n;

if(n>0)

{

while (n>=1)

{

i=n;

int j=1;

while(j<=i)

{

cout<<j<<" ";

j++;

}

cout<<endl;

n--;

}

}

else if(n<=0)

cout<<"no output";

return 0;

}

Task 8:

#include <iostream>

using namespace std;

int main()

{

int n;

cin>>n;

if (n<=0)

cout<<"no output";

else

{

int i=n;

while(i>=1)

{

int j=0;

while(j<n-i)

{

cout<<" ";

j++;

}

int k=1;

while (k<=i)

{

cout<<k;

k++;

}

cout<<endl;

i--;

}

}

return 0;

}

Extra task:

#include <iostream>

using namespace std;

int main()

{

int n;

cin>>n;

if (n<=0)

cout<<"no output";

else

{

int i=n;

while(i>=1)

{

int j=0;

while(j<n-i)

{

cout<<" ";

j++;

}

int k=1;

while (k<=i)

{

cout<<k<<" ";

k++;

}

cout<<endl;

i--;

}

}

return 0;

}

Task 9: