1dsa

//Q1

#include<iostream>

using namespace std;

int main(){

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

if(i==1 || i==6){

for(int j=1;j<=5;j++){

cout<<"\* ";

}

cout<<"\n";

}

else{

for(int j=1;j<=5;j++){

if(j==1 ||j==5){

cout<<"\* ";

}

else{

cout<<" ";

}

}

cout<<"\n";

}

}

return 0;

}

//Q2

#include<iostream>

using namespace std;

int main(){

int a=1;

for(int i=1;i<=4;i++){

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

cout<<a<<" ";

a++;

}

cout<<"\n";

}

return 0;

}

//Q3

#include<iostream>

using namespace std;

int main(){

for(int i=1;i<=4;i++){

for(int j=1;j<=4-i;j++){

cout<<" ";

}

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

if(j==1|| j==i){

cout<<"1 ";

}

else{

cout<<i-1<<" ";

}

}

cout<<"\n";

}

return 0;

}

//Q4

#include<iostream>

using namespace std;

int main(){

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

char ch='A';

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

cout<<ch<<" ";

ch++;

}

cout<<"\n";

}

return 0;

}

//Q5

#include<iostream>

using namespace std;

int main(){

int k=0;

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

//spaces

for(int j=1;j<=5-i;j++){

cout<<" ";

}

for(int j=1;j<=i+k;j++){

//cout<<j<<" ";

cout<<"\* ";

}

k++;

cout<<"\n";

}

return 0;

}

//Q6

#include<iostream>

using namespace std;

int main(){

int k=0;

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

for(int j=1;j<=5-i;j++){

cout<<" ";

}

for(int j=1;j<=i+k;j++){

cout<<j<<" ";

}

cout<<"\n";

k++;

}

return 0;

}

//Q7

#include<iostream>

using namespace std;

int main(){

int k=0;

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

for(int j=1;j<=5-i;j++){

cout<<" ";

}

char ch ='A';

for(int j=1;j<=i+k;j++){

cout<<ch<<" ";

ch++;

}

k++;

cout<<"\n";

}

return 0;

}