**Question 11**

 #include <iostream>

 using namespace std;

 int main()

 {

 int rows;

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

 {

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

 {

 cout << "\* ";

 }

 cout << "\n";

 }

 return 0;

 }

**Question 12**

 #include <iostream>

 using namespace std;

 int main(){

 int i, j;

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

 {

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

 {

 if(i==1 || i==5 || j==1 || j==6)

 {

 cout <<"\*";

 }

 else

 {

 cout <<" ";

 }

 }

 cout<<"\n";

 }

 return 0;

 }

**Question 13**

 #include<iostream>

 using namespace std;

 int main(){

 int z=1;

 for (int i=0; i<4; i++)

 {

 for (int j=4; j>i; j--)

 {

 cout<<" ";

 }

 cout<<"\*";

 if (i!=0)

 {

 for (int k=1; k<=z; k++)

 {

 cout<<" ";

 }

 cout<<"\*";

 z+=2;

 }

 cout<<endl;

 }

 for (int i=0; i<=z+1; i++)

 {

 cout<<"\*";

 }

 return 0;

 }

**Question 14**

 #include <iostream>

 using namespace std;

 int main(){

 int i, j;

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

 {

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

 {

 if(i==1 || i==7 || j==1 || (j==5 && (i==3 || i==5)) || (j==4 && (i==3 || i==4 || i==5) )|| (j==7 && (i==3 || i==4 || i==5)) || (j==6&& (i==3 || i==5) )|| j==10 || (i==2 && j==1||j==10))

 {

 cout <<"\*";

 }

 else{

 cout <<" ";

 }

 }

 cout<<"\n";

 }

 return 0;

 }

**Question 15**

1.Start

2.Read identnum,hourpayrate,numhourswork,gross,netpay,tax,totalgross=0,totaltax=0

3.Read workname

4. for (int count=1 ;count<=n ;count++)

5.gross = hourpayrate \* numhourswork

6.netpay=gross

7.if (gross> 2000)

8. tax= 0.005 \*gross;

 netpay = gross + tax

 totaltax=totaltax + tax

 totalgross=totalgross+gross

9.endif

10.Display Workers Identification number

11.Display Worker's Name

12. Display Gross pay

13. Display Tax deduction

14. Display Net pay

15. Display The total gross

16.Display The total tax deduction

17. End

#include <iostream>

using namespace std;

int main()

{

float identnum,hourpayrate,numhourswork,gross,netpay ,tax,totalgross=0,totaltax=0;

string workname;

 int n;

 cout<<"Enter number of worker: ";

 cin>>n;

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

 cout<< "\nEnter Identification number: ";

 cin>>identnum;

 cout<< "Enter worker's name: ";

 cin>>workname;

 cout<< "Enter hourly pay rate: ";

 cin>>hourpayrate;

 cout<<"Enter number of hours work: ";

 cin >>numhourswork;

 gross = hourpayrate \* numhourswork;

 netpay = gross;

 if (gross> 2000){{

 tax= 0.005 \*gross;

 netpay = gross + tax;}

 totaltax=totaltax + tax;

 totalgross=totalgross+gross;

 }

 cout << "Workers Identification number" << identnum <<endl;

 cout << "Worker's Name: " << workname <<endl;

 cout << "Gross pay is: " << gross <<endl;

 cout << "Tax deduction is: " << tax <<endl;

 cout << "Net pay is: " << netpay <<endl;

}

 cout << "The total gross pay is: "<< totalgross<<endl;

 cout << "The total tax deduction is: "<< totaltax <<endl;

 return 0;

}

**Question 16**

#include<iostream>

 using namespace std;

 int main()

 {

 int day , year,month,result,dayofWeek;

 cout <<"Enter day :";

 cin>>day;

 cout <<"Enter month:";

 cin>>month;

 cout <<"Enter year :";

 cin>> year;

 if (month <3){

 month = month +12;

 }

 result = day + (13 \*month -27) / 5 +year +year /4 - year / 100 +year /400;

 result = result +6;

 dayofWeek = (result % 7) + 1;

 cout<<result <<endl;

 cout <<dayofWeek <<endl;

 return 0;

 }