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**Section C**

**Lab manual 5(Home Tasks)**

**Q#1**

#include<iostream>

using namespace std;

int main()

{

int a,b,c,d=2,e,g=1,h;

cout<<"Enetr any two positive numbers"<<endl;

cin>>a;

cin>>b;

c=a\*b;

while(d<=a&&d<=b)

{

if(a%d==0&&b%d==0){

a=a/d;

b=b/d;

e=d;

e=e\*g;

g=d;

continue;}

d++;

}

h=c/e;

cout<<"L.C.M of these two numbers is: "<<h;

return 0;

} **Q#2**

#include<iostream>

using namespace std;

int main() {

int a,b=0,c,d,e,f=0;

cout<<"Eneter the first term"<<endl;

cin>>a;

cout<<"Eneter the common difference"<<endl;

cin>>d;

cout<<"Eneter the last term"<<endl;

cin>>c;

while(e<c){

e=a+b\*d;

b++;

f=f+e;

}

cout<<"Sum of all arthematic means is:"<<endl<<f;

return 0;

}

**Q#3**

# include <iostream>

using namespace std;

int main()

{

int num;

cout << "enter the number" << endl;

cin >> num;

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

{

cout << endl;

for (int sp = 1; sp <= num - i; sp++)

cout << " ";

for (int j = 1; j <= 2 \* i - 1; j++)

{

cout << "\*";

}

}

for (int i = num - 1; i >= 1; i--)

{

cout << endl;

for (int sp = 1; sp <= num - i; sp++)

cout << " ";

for (int j = 1; j <= 2 \* i - 1; j++)

{

cout << "\*";

}

}

return 0;

}

**Q#4**

#include<iostream>

using namespace std;

int main(){

int a,b,c,d;

cout<<"Enter any number of which you want a binary representation"<<endl;

cin>>a;

cout<<"--------------------------------------------------------"<<endl;

cout<<"The binary representation of :-"<<endl;

while(a!=0){

b=a%2;

c=c+(b\*d);

a=a/2;

d=d\*10;

}

cout<<c;

return 0;

}

}