**Calculate binary number using stack.**

#include <iostream>

#define MAX 20

using namespace std;

struct stacks{

int data[MAX];

int top;

};

void initialise(stacks \*s){

s->top=-1;

}

int isFull(stacks \*s){

if(s->top==MAX-1)

return 1;

else

return 0;

}

void push(stacks \*s,int d){

s->top=s->top+1;

s->data[s->top]=d;

}

int isEmpty(stacks \*s){

if(s->top==-1)

return 1;

else

return 0;

}

int pop(stacks \*s){

int x=s->data[s->top];

s->top=s->top-1;

return x;

}

int main()

{

stacks a;

int x;

initialise(&a);

cout<<endl<<"Enter decimal number:";

cin>>x;

cout<<endl;

while(x!=0){

if(isFull(&a)==1){

cout<<endl<<"Stack is alreday full!!!cant insert elements..";}

else{

push(&a,x%2);

x=x/2;}

}

while(!isEmpty(&a)){

int c=(int)pop(&a);

cout<<c;

}

return 0;

}