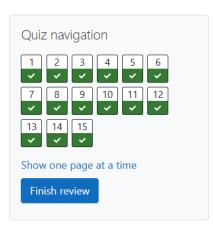
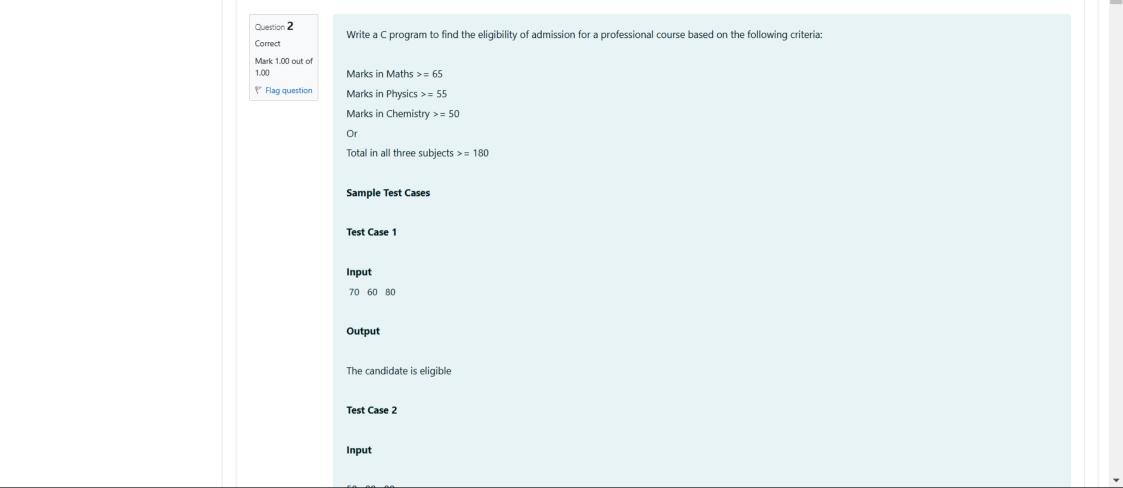
# CS23331-Design and Analysis of Algorithms-2023 Batch-AIDS

b=t;









```
Answer: (penalty regime: 0 %)
#include<stdio.h>
int main()
    int a,b,c;
    scanf("%d %d %d", &a, &b, &c);
    if((a>64 && b>54 && c>49)||(a+b+c>179))
        printf("The candidate is eligible");
    else
        printf("The candidate is not eligible");
    return 0;
```

	Input			Expected	Got	
~	70	60	80	The candidate is eligible	The candidate is eligible	~
~	50 8	0 80		The candidate is eligible	The candidate is eligible	~

Marks for this submission: 1.00/1.00.

Passed all tests! 🗸

Malini goes to BestSave hyper market to buy grocery items. BestSave hyper market provides 10% discount on the bill amount B when ever the bill amount B is more than Rs.2000. The bill amount B is passed as the input to the program. The program must print the final amount A payable by Malini. The first line denotes the value of B. The first line contains the value of the final payable amount A. Example Input/Output 1:

#### Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
   int n,d;
   scanf("%d",&n);
   if(n>2000)
       d=n/10;
    else
       d=0;
    int a = n-d;
   printf("%d",a);
```

	Input	Expected	Got	
~	1900	1900	1900	~
~	3000	2700	2700	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

Passed all tests: 💌 Correct Input Format: **Output Format:** Example Input/Output: Input: 100 Output: 400

Marks for this submission: 1.00/1.00. Baba is very kind to beggars and every day Baba donates half of the amount he has when ever a beggar requests him. The money M left in Baba's hand is passed as the input and the number of beggars B who received the alms are passed as the input. The program must print the money Baba had in the beginning of the day.

The first line denotes the value of M. The second line denotes the value of B.

The first line denotes the value of money with Baba in the beginning of the day.

Explanation:

Baba donated to two beggars. So when he encountered second beggar he had 100\*2 = Rs.200 and when he encountered 1st he had 200\*2 = Rs.400.

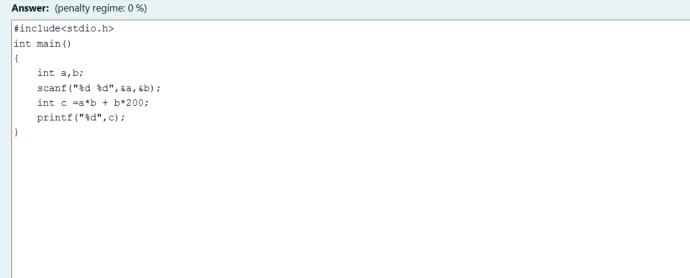
## Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
  int m,b,t;
  scanf("%d %d",&m,&b);
  t = (m*b) *2;
  printf("%d",t);
  return 0;
}
```

	Input	Expected	Got	
~	100	400	400	~

Passed all tests! 🗸

Correct



	Input	Expected	Got	
<b>~</b>	500 3	2100	2100	~
~	100	900	900	~

Marks for this submission: 1.00/1.00.

Passed all tests! 🗸

Marks for this submission: 1.00/1.00.

Two numbers M and N are passed as the input. A number X is also passed as the input. The program must print the numbers divisible by X from N to M (inclusive of M and N).

#### Input Format:

The first line denotes the value of M The second line denotes the value of N The third line denotes the value of X

## **Output Format:**

Numbers divisible by X from N to M, with each number separated by a space.

## **Boundary Conditions:**

1 <= M <= 9999999 M < N <= 9999999 1 <= X <= 9999

#### Example Input/Output 1:

Input: 40

Output: 35 28 21 14 7

Input:

Example Input/Output 2:



	Input	Expected	Got	
<b>~</b>	2 40 7	35 28 21 14 7	35 28 21 14 7	<b>~</b>

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

Question 7

Write a C program to find the quotient and reminder of given integers.

Marks for this submission: 1.00/1.00.

Question 7

Correct

Mark 1.00 out of 1.00

Flag question

Write a C program to find the quotient and reminder of given integers.

#### For example:

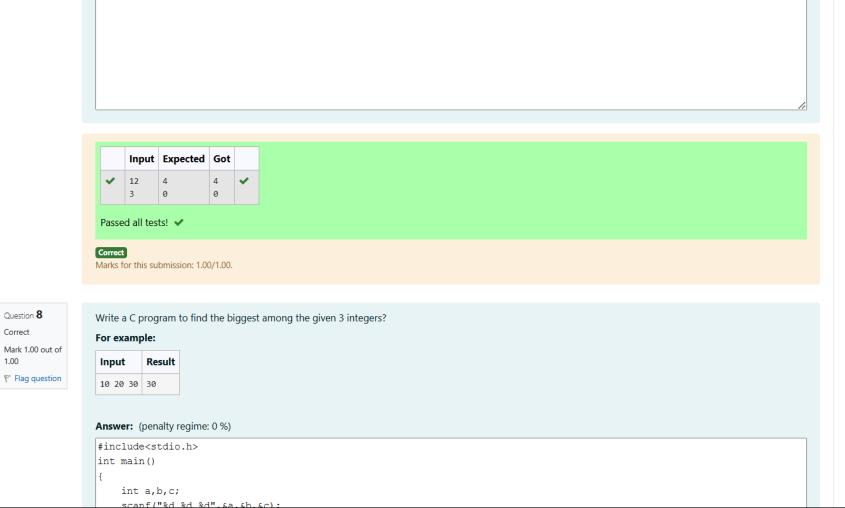
ut Resu
4
0

#### Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int n,a;
    scanf("%d %d",&n,&a);
    int d=n/a;
    int r =n%a;
    printf("%d",d);
    printf("\n%d",r);
}
```

٠,

1.00



Marks for this submission: 1.00/1.00.

Question 8
Correct

Mark 1.00 out of 1.00

Flag question

Write a C program to find the biggest among the given 3 integers?

## For example:

In	out	Resul	
10	20	30	30

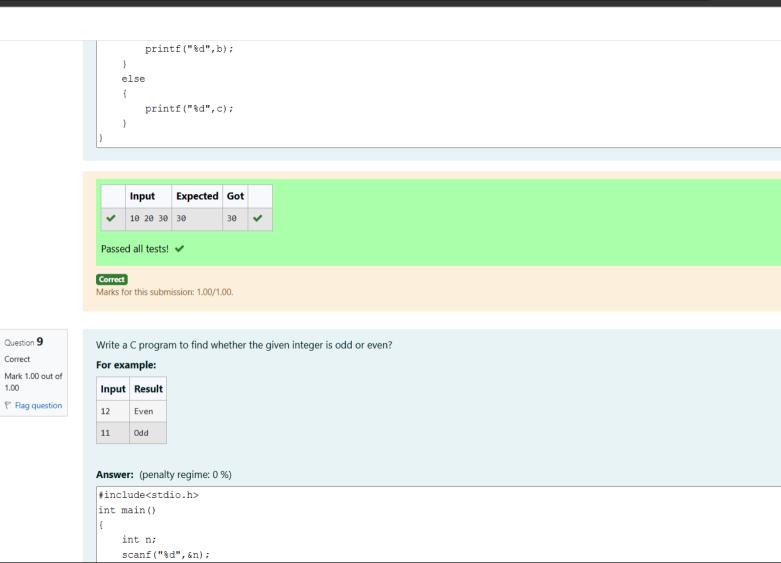
## Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int a,b,c;
    scanf("%d %d %d",&a,&b,&c);
    if(a>b&&a>c)
    {
        printf("%d",a);
    }
    else if(b>a&&b>c)
    {
        printf("%d",b);
    }
    else
    {
        printf("%d",c);
    }
}
```

Question 9

Correct

1.00



Question **9** 

Correct

Mark 1.00 out of 1.00

Flag question

Write a C program to find whether the given integer is odd or even?

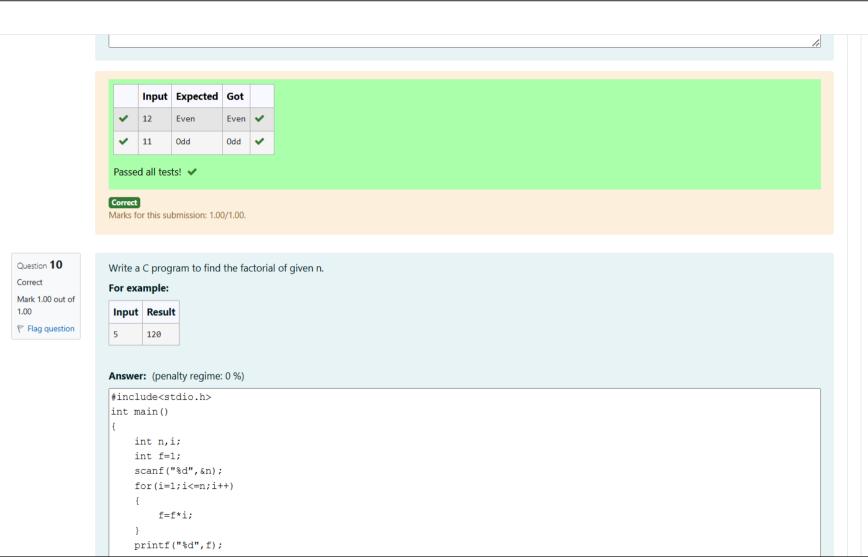
## For example:

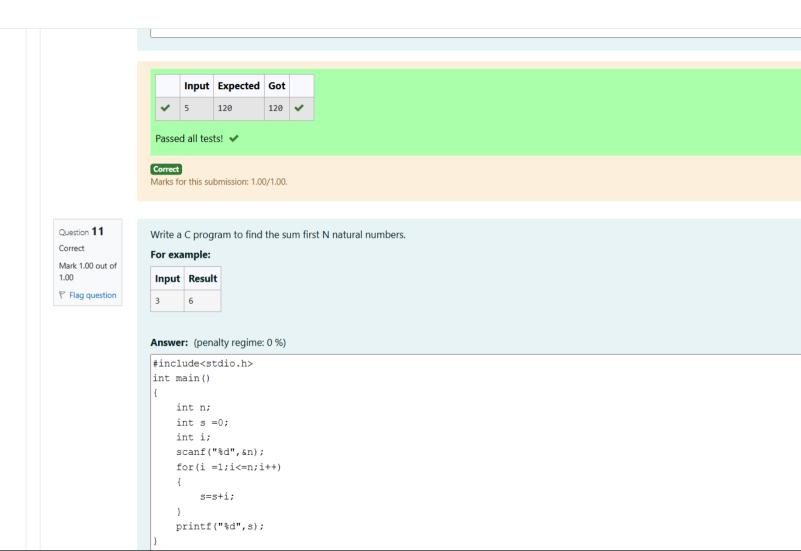
Input	Resu	
12	Even	
11	Odd	

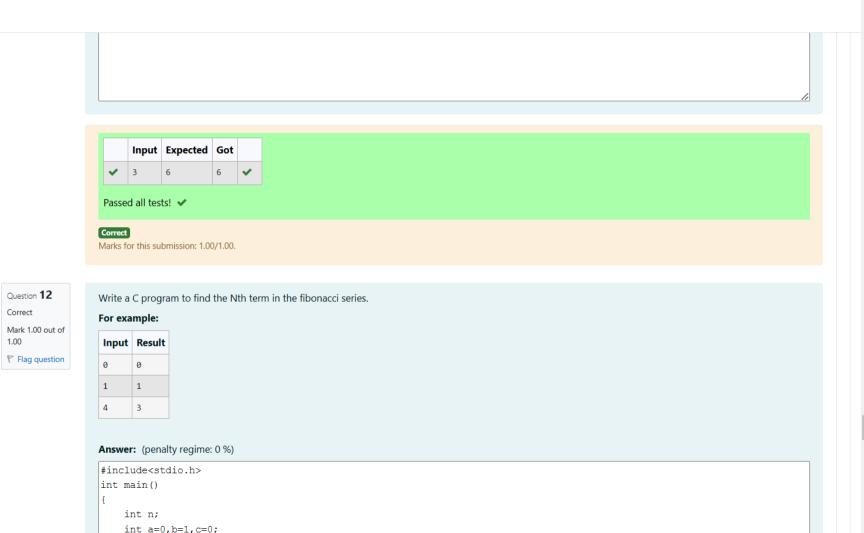
#### Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int n;
    scanf("%d",&n);
    if(n%2==0)
    {
        printf("Even");
    }
    else
    {
        printf("Odd");
    }
}
```

Input Expected Got







Question • •

Correct

Mark 1.00 out of 1.00

₱ Flag question

write a C program to find the INth term in the fibonacci series.

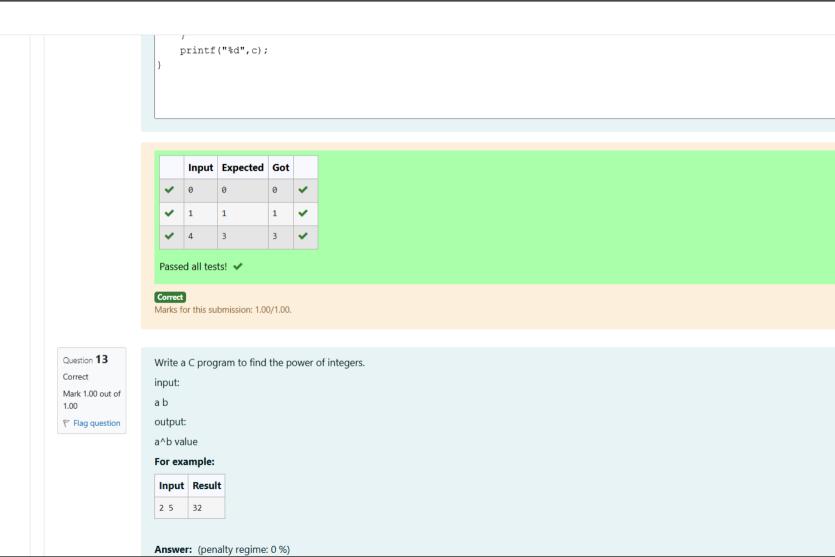
#### For example:

Input	Resul
0	0
1	1
4	3

#### Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int n;
    int a=0,b=1,c=0;
    scanf("%d",&n);
    int i;
    for(i=1;i<=n;i++)
    {
        a=b;
        b=c;
        c=a+b;
    }
    printf("%d",c);
}</pre>
```

	Input	Expected	Got	
~	0	0	0	<b>~</b>





	Input	Expected	Got	
<b>~</b>	2 5	32	32	~

Passed all tests! 🗸

#### Correct

Marks for this submission: 1.00/1.00.

Question **14**Correct
Mark 1.00 out of 1.00

Write a C program to find Whether the given integer is prime or not.

For example:
Input Result

Question 14 Correct Mark 1.00 out of 1.00 Flag question

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

Write a C program to find Whether the given integer is prime or not.

For example:

Input Result

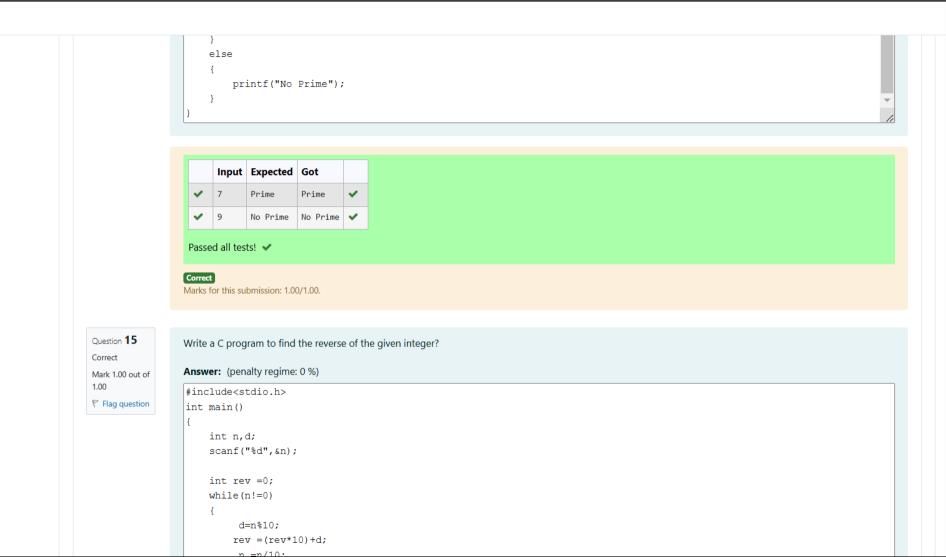
7 Prime

9 No Prime

Answer: (penalty regime: 0 %)

int n,i,c=0;

```
scanf("%d",&n);
for(i=1;i<=n;i++)
{
    if(n%i==0)
    {
        c=c+1;
    }
}
if(c==2)
{
    printf("Prime");
}
else
{
    printf("No Prime");
}</pre>
```



Marks for this submission: 1.00/1.00.

Question **15**Correct

Mark 1.00 out of 1.00

▼ Flag question

```
Write a C program to find the reverse of the given integer?
```

```
Answer: (penalty regime: 0 %)
#include<stdio.h>
```

```
int main()
{
    int n,d;
    scanf("%d",&n);

    int rev =0;
    while(n!=0)
    {
        d=n%10;
        rev =(rev*10)+d;
        n =n/10;
    }
    printf("%d",rev);
}
```

```
| Input | Expected | Got | ✓ | 123 | 321 | ✓ |
```

Passed all tests! 🗸

Correct

rrect

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