

Week 4

REC-CIS

MADHUJA BA 2024-CSE M2

Week-04-Decision Making and Looping - while, do...while and for

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Assessment-04-Decision Making and Branching - if...else if and switch...case

Week-04-01-Practice Session-Coding: Attempt review | REC-CIS - Personal - Microsoft Edge

Not secure | www.rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=117763&cmid=103

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```
1 #include<stdio.h>
2 int main()
3 {
4     int T,i=0,n,t;
5     scanf("%d",&T);
6     while(i<T)
7     {
8         scanf("%d",&n);
9         t=n/4;
10        if(t %2 ==0 && n% 2 ==0){
11            printf("No\n");
12        }
13        else if ( t%2 == 1 && n%2==1)
14        {
15            printf("No\n");
16        }
17        else
18        {
19            printf("Yes\n");
20        }
21        i++;
22    }
23 }
24 }
```

	Input	Expected	Got	
✓	3	Yes	Yes	✓
	1	Yes	Yes	
	6	No	No	
	7			

Passed all tests! ✓

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```
1 #include<stdio.h>
2 int main()
3 {
4     int num;
5     scanf("%d",&num);
6     int holes[10]={1,0,0,0,1,0,1,0,2,1};
7     int totalholes=0;
8     while(num>0)
9     {
10         int digit = num%10;
11         totalholes += holes[digit];
12         num/=10;
13     }
14     printf("%d\n", totalholes);
15     return 0;
16 }
```

	Input	Expected	Got	
✓	630	2	2	✓
✓	1288	4	4	✓

Passed all tests! ✓

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```
1 #include<stdio.h>
2 int main()
3 {
4     int N ;
5     scanf("%d",&N);
6     int denominations=0;
7     int current_sum=0;
8     while (current_sum<N)
9     {
10         denominations++;
11         current_sum+=current_sum+1;
12     }
13     printf("%d\n", denominations);
14     return 0;
15 }
16 }
```

	Input	Expected	Got	
✓	10	4	4	✓
✓	5	3	3	✓
✓	20	5	5	✓
✓	500	9	9	✓
✓	1000	10	10	✓

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Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,x=0;
5     while(scanf("%d",&n)==1)
6     {
7         if (n%2!=0)
8         {
9             x++;
10        }
11    }
12    printf("%d",x);
13    return 0;
14 }
```

	Input	Expected	Got	
✓	5 10 15 20 25 30 35 40 45 50	5	5	✓

Passed all tests! ✓

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Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int n,x, y=1;
5     scanf("%d",&n);
6     while(n!=0&& y==1)
7     {
8         x=n%10;
9         n=n/10;
10        if(x==2 || x==3 || x==4 || x==7)
11        {
12            y++;
13        }
14    }
15    if (y==1)
16    {
17        printf("true");
18    }
19    else
20    {
21        printf("false");
22    }
23    return 0;
24 }
```

	Input	Expected	Got	
✓	6	true	true	✓
✓	89	true	true	✓

```

20 }
21 }
22 else
23 {
24     printf("false");
25 }
26 return 0;
27 }

```

	Input	Expected	Got	
✓	6	true	true	✓
✓	89	true	true	✓
✓	25	false	false	✓

Passed all tests! ✓

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```

1 #include<stdio.h>
2 int main()
3 {
4     long long int n,t,i,nut=0;
5     scanf("%lld %lld",&n,&t);
6     for(i=1;i<=n;i++)
7     {
8         nut=nut+i;
9         if(nut==t)
10        {
11            nut=nut-1;
12        }
13    }
14    printf("%lld",nut%1000000007);
15    return 0;
16 }

```

	Input	Expected	Got	
✓	2 2	3	3	✓
✓	2 1	2	2	✓
✓	3 3	5	5	✓

Passed all tests! ✓