GE23131-Programming Using C-2024

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Calculate Grade

Done

Attempts allowed: 1

Time limit: 30 mins

Your attempts

Attempt 1

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Sunday, 8 December 2024, 3:18 PM
Duration	15 days 2 hours

Review

Calculate Grade: Attempt review | REC-CIS - Google Chrome

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=112522&cmid=97

REC-CIS

Quiz navigation

1

Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Sunday, 8 December 2024, 3:18 PM
Duration	15 days 2 hours

Question **1**

Correct

Marked out of 1.00

Flag question

Write a program that accepts the marks in 3 subjects of a student, calculates the average mark of the student and prints the student's grade.
If the average mark is greater than or equal to 90, then the grade is 'A'. If the average mark is 80 and between 80 and 90, then the grade is 'B'.
If the average mark is 70 and between 70 and 80, then the grade is 'C'. If the average mark is 60 and between 60 and 70, then the grade is 'D'.
If the average mark is 50 and between 50 and 60, then the grade is 'E'. If the average mark is less than 50, then the grade is 'F'.

Input Format:

Input consists of 3 lines. Each line consists of an integer.

Output Format:

Output consists of a single line. Refer sample output for the format.

Sample Input 1 :

45
45
45

Sample Output 1 :

The grade is F

Sample Input 2:

91
95
100

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11:55 15-01-2025

The grade is F

Sample Input 2:

91
95
100

Sample Output 2:

The grade is A

For example:

Input	Result
45 45 45	The grade is F
91 95 100	The grade is A

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int a,b,c,sum;
    float avg;
    scanf("%d%d%d",&a,&b,&c);
    sum = a+b+c;
    avg = sum/3.0;
    if(avg>=90)
```

Calculate Grade: Attempt review | REC-CIS - Google Chrome

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REC-CIS

```c
#include<stdio.h>
int main()
{
    int a,b,c,sum;
    float avg;
    scanf("%d%d%d",&a,&b,&c);
    sum = a+b+c;
    avg = sum/3.0;
    if(avg>=90)
    {
        printf("The grade is A");
    }
    else if (avg>=80)
    {
        printf("The grade is B");
    }
    else if(avg>=70)
    {
        printf("The grade is C");
    }
    else if(avg>=60)
    {
        printf("The grade is D");
    }
    else if(avg>=50)
    {
        printf("The grade is E");
    }
    else
    {
         printf("The grade is F");
    }
    return 0;
}
```

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REC-CIS

```
21      else if(avg>=60)
22      {
23          printf("The grade is D");
24      }
25      else if(avg>=50)
26      {
27          printf("The grade is E");
28      }
29      else
30      {
31           printf("The grade is F");
32      }
33      return 0;
34  }
```

	Input	Expected	Got	
✓	45 45 45	The grade is F	The grade is F	✓
✓	91 95 100	The grade is A	The grade is A	✓

Passed all tests! ✓

Finish review

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Week-03-Decision

Railway - Seating Arrangement for Sleeper Class

Done

Attempts allowed: 1

Time limit: 1 hour 30 mins

Your attempts

Attempt 1

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Sunday, 8 December 2024, 3:26 PM
Duration	15 days 2 hours

Review

No more attempts are allowed

Back to the course

Railway - Seating Arrangement for Sleeper Class: Attempt review | REC-CIS - Google Chrome

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REC-CIS

Quiz navigation

1

Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Sunday, 8 December 2024, 3:26 PM
Duration	15 days 2 hours

Question **1**

Correct

Marked out of 1.00

Flag question

Write a program to determine the type of berth when the seat / berth number in the train is given.

Input Format:

Input consists of a single integer. Assume that the range of input is between 1 and 72.

Output Format:

Output consists of a single string. [Upper or Middle or Lower or Side Lower or Side Upper]

Sample Input 1:

9

Sample Output 1:

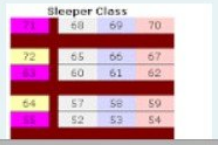
Lower

Sample Input 2:

72

Sample Output 2:

Side Upper



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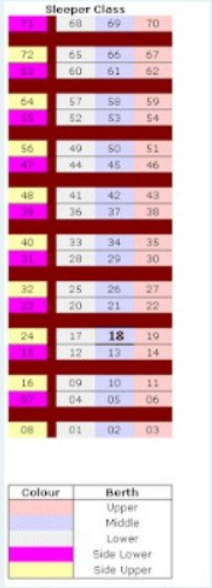
REC-CIS

Side Upper



For example:

Input	Result
9	Lower
72	Side Upper

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
```

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REC-CIS

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int n;
    scanf("%d",&n);
    if((n%8==1)||(n%8==4))
    {
        printf("Lower");
    }
    else if((n%8==2)||(n%8==5))
    {
        printf("Middle");
    }
    else if((n%8==3)||(n%8==6))
    {
        printf("Upper");
    }
    else if(n%8==7)
    {
        printf("Side Lower");
    }
    else if(n%8==0)
    {
        printf("Side Upper");
    }
    return 0;
}

```

	Input	Expected	Got	
✓	9	Lower	Lower	✓

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REC-CIS

```
    {
        printf("Middle");
    }
    else if((n%8==3)||(n%8==6))
    {
        printf("Upper");
    }
    else if(n%8==7)
    {
        printf("Side Lower");
    }
    else if(n%8==0)
    {
        printf("Side Upper");
    }
    return 0;
}
```

	Input	Expected	Got	
✓	9	Lower	Lower	✓
✓	72	Side Upper	Side Upper	✓

Passed all tests! ✓

Finish review

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Basic Calculator

Done

Attempts allowed: 1

Time limit: 1 hour 30 mins

Your attempts

Attempt 1

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Sunday, 8 December 2024, 3:42 PM
Duration	15 days 1 hour

Review

No more attempts are allowed

Back to the course

Basic Calculator: Attempt review | REC-CIS - Google Chrome

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REC-CIS

Quiz navigation

1

Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Sunday, 8 December 2024, 3:42 PM
Duration	15 days 1 hour

Question **1**

Correct

Marked out of 1.00

Flag question

Write a C program to simulate a basic calculator. [+,-,*,/,%]. Use switch statement.

Input Format:

The first line of the input consists of an integer which corresponds to a. The second line of the input consists of a character which corresponds to the operator. The third line of the input consists of an integer which corresponds to b.

Output format:

Output consists of a single line [a op b]. Refer to sample output for details.

Sample Input 1:

3
+
5

Sample Output 1:

The sum is 8

Sample Input 2:

7
-
6

Sample Output 2:

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Sample Output 1:

The sum is 8

Sample Input 2:

7
-
6

Sample Output 2:

The difference is 1

Sample Input 3:

4
*
3

Sample Output 3:

The product is 12

Sample Input 4:

12
/
3

Sample Output 4:

The quotient is 4

Sample Input 5:

4
%

Sample Input 5:

4
%
2

Sample Output 5:

The remainder is 0

Sample Input 6:

5
^
2

Sample Output 6:

Invalid Input

For example:

Input	Result
3 + 5	The sum is 8
7 - 6	The difference is 1
4 *	The product is 12

Basic Calculator: Attempt review | REC-CIS - Google Chrome

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REC-CIS

For example:

Input	Result
3 + 5	The sum is 8
7 - 6	The difference is 1
4 * 3	The product is 12
12 / 3	The quotient is 4
4 % 2	The remainder is 0
5 ^ 2	Invalid Input

Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b;
5      char c;
6      scanf("%d \n%c \n%d" &a &c &b);
```

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REC-CIS

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int a,b;
    char c;
    scanf("%d \n%c \n%d",&a,&c,&b);
    switch(c)
    {
        case '+':
        printf("The sum is %d" ,a+b);
        break;


        case'-':
        printf("The difference is %d",a-b);
        break;


        case'*':
        printf("The product is %d",a*b);
        break;


        case'/':
        printf("The quotient is %d",a/b);
        break;


        case'%':
        printf("The remainder is %d",a%b);
        break;

        default:
        printf("Invalid Input");
        break;
    }
    return 0;
}
```

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REC-CIS

```
34          printf("Invalid Input");
35          break;
36      }
37      return 0;
38  }
```

	Input	Expected	Got	
✓	3 + 5	The sum is 8	The sum is 8	✓
✓	7 - 6	The difference is 1	The difference is 1	✓
✓	4 * 3	The product is 12	The product is 12	✓
✓	12 / 3	The quotient is 4	The quotient is 4	✓
✓	4 % 2	The remainder is 0	The remainder is 0	✓
✓	5 ^ 2	Invalid Input	Invalid Input	✓

Passed all tests! ✓

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Doll Show

Done

Attempts allowed: 1

Time limit: 1 hour 30 mins

Your attempts

Attempt 1

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Thursday, 12 December 2024, 7:48 PM
Duration	10 days 21 hours

Review

No more attempts are allowed

Back to the course

Doll Show: Attempt review | REC-CIS - Google Chrome

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REC-CIS

GE23131-Programming Using C-2024

Quiz navigation

1

Finish review

Status	Finished
Started	Monday, 23 December 2024, 5:33 PM
Completed	Thursday, 12 December 2024, 7:48 PM
Duration	10 days 21 hours

Question **1**

Correct

Marked out of 1.00

Flag question

In london, every year during dasara there will be a very grand doll show. People try to invent new new dolls of different varieties. The best sold doll's creator will be awarded with cash prize. So people broke their head to create dolls innovatively. Knowing this competition, Mr.Lokpaul tried to create a doll which sings only when a even number is pressed and the number should be not be zero and greater than 100.

So write a program to help Mr.Lokpaul to win.

Input Format:

Input Consists of Single Integer which Corresponds to Number pressed by the user to the doll.

Output Format:

Display whether the doll will Sing or not. Output consists of the string "Doll will sing" or "Invalid number".

Sample Input and Output:

Input

Press a number : 56

Output

Doll will sing

Doll Show: Attempt review | REC-CIS - Google Chrome

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REC-CIS

For example:

Input	Result
56	Doll will sing
55	Invalid number

Answer: (penalty regime: 0 %)

```
#include<stdio.h>
int main()
{
    int a;
    scanf("%d",&a);
    if((a>=1)&&(a<100))
    {
        if(a%2==0)
        {
            printf("Doll will sing");
        }
        else
        {
            printf("Invalid number");
        }
    }
    return 0;
}
```

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Doll Show: Attempt review | REC-CIS - Google Chrome

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REC-CIS

```c
    int a;
    scanf("%d",&a);
    if((a>=1)&&(a<100))
    {
        if(a%2==0)
        {
            printf("Doll will sing");
        }
        else
        {
            printf("Invalid number");
        }
    }
    return 0;
}
```

	Input	Expected	Got	
✓	56	Doll will sing	Doll will sing	✓
✓	55	Invalid number	Invalid number	✓

Passed all tests! ✓

Finish review

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12:04 15-01-2025