WEEK 2

REC-CIS

MADHUJA BA 2024-CSE M2

Week-02-Operators and Expressions, Managing Input and Output Operations

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◄Assessment-01-Overview of C, Constants, Variables and Data Types   ►Assessment-02-Operators and Expressions, Managing Input and Output Operations

🗐 Week-02-01-Practice Session-Coding	✓ Done
🗐 Week-02-02-Practice Session-Coding	✓ Done
🗐 Arithmetic Operators-Optional	✓ Done
🗐 Coding-Comment Lines and Tokens-Optional	✓ Done
🗐 Coding-Variables and Keywords	✓ Done
🗐 Coding-Syntax of main() function	✓ Done
🗐 int Data Type	✓ Done

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Week-02-Operators and Expressions, Managing Input ...

- ⊞ Week-02-01-Practice Session-Coding
- ⊞ Week-02-02-Practice Session-Coding
- ⊞ Arithmetic Operators-Optional
- ⊞ Coding-Comment Lines and Tokens-Optional
- ⊞ Coding-Variables and Keywords
- ⊞ Coding-Syntax of main() function
- ⊞ int Data Type
- ⊞ float Data Type
- ⊞ Relational and Equality Operators-Optional
- ⊞ Logical Operators-Optional
- ⊞ Unary Operators-Optional
- ⊞ Assignment Operator-Optional
- ⊞ Ternary Operator-Optional
- ⊞ Cricket Stadium
- ⊞ Sports Day Celebration

🗐 int Data Type	✓ Done
🗐 float Data Type	✓ Done
🗐 Relational and Equality Operators-Optional	✓ Done
🗐 Logical Operators-Optional	✓ Done
🗐 Unary Operators-Optional	✓ Done
🗐 Assignment Operator-Optional	✓ Done
🗐 Ternary Operator-Optional	✓ Done
🗐 Cricket Stadium	✓ Done
🗐 Sports Day Celebration	✓ Done
🗐 The Newspaper Agency	✓ Done
🗐 The Chronicles of Narnia	✓ Done

```c
#include<stdio.h>
int main()
{
    int f,feet,inch;
    scanf("%d\n %d", &feet, &inch);
    f=feet*12;
    printf("%.2f", (f*2.54)+(inch*2.54));
    return 0;
}
```

	Input	Expected	Got	
✓	5 6	167.64	167.64	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main()
{
    int a,b;
    scanf("%d\n %d", &a, &b);
    printf("%d",(a+b));
    printf("\n%d",(a-b));
    printf("\n%d",(a*b));
    printf("\n%d",(a/b));
    printf("\n%d",(a%b));
    return 0;
}
```

	Input	Expected	Got	
✓	100 6	106 94 600 16 4	106 94 600 16 4	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main()
{
    int num_of_bread;
    scanf("%d", &num_of_bread);
    float Regular_price, discount,total;
    Regular_price= num_of_bread*3.49;
    scanf("%f", &Regular_price);
    discount=(Regular_price*60)/100;
    total=Regular_price-discount;
    printf("Regular price: %.2f",Regular_price);
    printf("\nDiscount: %.2f", discount);
    printf("\nTotal: %.2f", total);
    return 0;
}
```

	Input	Expected	Got	
✓	10	Regular price: 34.90 Discount: 20.94 Total: 13.96	Regular price: 34.90 Discount: 20.94 Total: 13.96	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main()
{
    int X,Y;
    scanf("%d %d",&X,&Y);
    if(X<=Y){
        printf("YES");
    }
    else{
        printf("NO");
    }
    return 0;
}
```

	Input	Expected	Got	
✓	100 110	YES	YES	✓
✓	100 90	NO	NO	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int n,h;
5      scanf("%d",&n);
6      h= n*(n-1)/2;
7      printf("%d",h);
8      return 0;
9  }
```

	Input	Expected	Got	
✓	1	0	0	✓
✓	2	1	1	✓

Passed all tests! ✓

```
1  #include<stdio.h>
2  int main()
3  {
4      int a,b,c;
5      scanf("%d %d %d",&a,&b,&c);
6      if((a>b)&&(a>c)){
7          printf("%d",a);
8
9      }
10     else if ((b>c) && (b>a)){
11         printf("%d",b);
12     }
13     else if ((c>a) && (c>b)){
14         printf("%d",c);
15
16     }
17     return 0;
18 }
```

	Input	Expected	Got	
✓	81 26 15	81	81	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main(){
    int length, breadth, perimeter, area;
    scanf("%d %d", &length, &breadth);
    perimeter = 2*(length + breadth);
    area = length*breadth;
    printf("%d\n",perimeter);
    printf("%d",area);
    return 0;
}
```

	Input	Expected	Got	
✓	50 20	140 1000	140 1000	✓

Passed all tests! ✓

```c
#include<stdio.h>
int main(){
    int students,teams,students_per_team,left_out;
    scanf("%d %d", &students, &teams);
    students_per_team = students/teams;
    left_out = students % teams;
    printf("%d\n", students_per_team);
    printf("%d\n",left_out);
    return 0;
}
```

	Input	Expected	Got	
✓	60 8	7 4	7 4	✓

Passed all tests! ✓

Finish review

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main(){
    int w,x,y;
    scanf("%d %d %d",&w,&x,&y);
    int profit;
    profit=(w*(x-y))-100;
    printf("%d",profit);
    return 0;
}
```

	Input	Expected	Got	
✓	1000 2 1	900	900	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

```c
#include<stdio.h>
int main(){
    int n,sum;
    scanf("%d",&n);
    int tens = (n/10)%10;
    int units = n%10;
    sum=tens+units;
    printf("%d",sum);
    return 0;
}
```

	Input	Expected	Got	
✓	87	15	15	✓
✓	54	9	9	✓

Passed all tests! ✓