

WEEK - 2

-CIS

- Week-02-Operators and Expressions, Managing Input ...
- Assessment-02-Operators and Expressions, Managing ...
- Week-03-Decision Making and Branching - if, if...e...
- Assessment-03-Decision Making and Branching - if, ...
- Lab-04-Decision Making and Branching - if...else i...
- Week-04-Decision Making and Looping - while, do...wh...
- Assessment-04-Decision Making and Branching - if....
- Week-05-Nested Loops - while and for, Jumps in Loops
- Assessment-05-Decision Making and Looping - while ...
- Week-06-Decision Making and Looping - for
- Assessment-06-Decision Making and Looping - for
- Assessment-07-Nested Loops - while and for, Jumps ...
- Week-06-One-Dimensional Arrays
- Week-06-01-One-

Week-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 |
| float Data Type | ✓ Done |
| Relational and Equality Operators-Optional | ✓ Done |

REC-CIS

- Week-06-01-One-Dimensional Arrays
- Week-07-Searching Algorithms-Linear and Binary
- Assessment-07-Searching Algorithms-Linear and Binary
- Week-08-Sorting Algorithms-Bubble and Selection
- Assessment-08-Sorting Algorithms-Bubble and Selection
- Week-09-Two-Dimensional and Multi-dimensional Arrays
- Assessment-09-Two-Dimensional and Multi-dimensiona...
- Week-10-Character Arrays and Strings
- Assessment-10-Character Arrays and Strings
- Week-11-String Handling Functions
- Assessment-11-String Handling Functions
- Week-12-User-Defined Functions
- Assessment-12-User-Defined Functions

| | |
|------------------------------|--------|
| 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 |
| Syntax of printf() function | ✓ Done |
| int Data Type | ✓ Done |

Practice session 1

```

1 #include<stdio.h>
2 int main(){
3     int f,feet,inch;
4     scanf("%d\n %d",&feet,&inch);
5     f=feet*12;
6     printf("%.2f",(f*2.54)+(inch*2.54));
7     return 0;
8 }

```

| | Input | Expected | Got | |
|---|-------|----------|--------|---|
| ✓ | 5 | 167.64 | 167.64 | ✓ |
| | 6 | | | |

Passed all tests! ✓

```

1 #include<stdio.h>
2 int main(){
3     int a,b;
4     scanf("%d\n %d",&a,&b);
5     printf("%d", (a+b));
6     printf("\n%d", (a-b));
7     printf("\n%d", (a*b));
8     printf("\n%d", (a/b));
9     printf("\n%d", (a%b));
10    return 0;
11 }

```

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

Passed all tests! ✓

```

1 #include<stdio.h>
2 int main(){
3     int num_of_bread;
4     scanf("%d",&num_of_bread);
5     float Regular_price, discount, total;
6     Regular_price=num_of_bread*3.49;
7     scanf("%f",&Regular_price);
8     discount=(Regular_price*60)/100;
9     total=Regular_price-discount;
10    printf("Regular price: %.2f",Regular_price);
11    printf("\nDiscount: %.2f",discount);
12    printf("\nTotal: %.2f",total);
13    return 0;
14 }

```

| | 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! ✓

Practice Session 2

```

1 #include<stdio.h>
2 int main(){
3     int X,Y;
4     scanf("%d %d",&X,&Y);
5     if (X<=Y){
6         printf("YES");
7     }
8     else {
9         printf("NO");
10    }
11    return 0;
12 }

```

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

Passed all tests! ✓

```

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

```

| | Input | Expected | Got | |
|---|-------|----------|-----|---|
| ✓ | 1 | 0 | 0 | ✓ |
| ✓ | 2 | 1 | 1 | ✓ |

Passed all tests! ✓

```

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

```

| | Input | Expected | Got | |
|---|----------|----------|-----|---|
| ✓ | 81 26 15 | 81 | 81 | ✓ |

Passed all tests! ✓