

# WEEK - I

- Coding
  - > Lecture Notes
  - > Week-01-Overview of C, Constants, Variables and Da...
  - > Assessment-01-Overview of C, Constants, Variables ...
  - > 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 -

Week-01-Overview of C, Constants, Variables and Data Types

- Coding-C-Language Features-Optional ✓ Done
- Week-01-01-Practice Session-Coding ✓ Done
- Week-01-02-Practice Session-Coding ✓ Done

Assessment-01-Overview of C, Constants, Variables and Data Types

- Digit in Tenth Position ✓ Done
- Calculate the Area ✓ Done
- Swap ✓ Done
- ASCII Value ✓ Done

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("Hello C");
6     return 0;
7 }
```

	Expected	Got	
✓	Hello C	Hello C	✓

Passed all tests! ✓

```
1 #include <stdio.h>
2
3 int main()
4 {
5     printf("I love Mangoes");
6     return 0;
7 }
```

	Expected	Got	
✓	I love Mangoes	I love Mangoes	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main(){
3     printf("Hello, World!");
4     return 0;
5 }
```

	Expected	Got	
✓	Hello, World!	Hello, World!	✓

Passed all tests! ✓

2 new no

```
1 #include<stdio.h>
2 int main(){
3     char ch;
4     scanf("%c",&ch);
5     printf("%c",ch);
6     return 0;
7 }
```

	Input	Expected	Got	
✓	C	C	C	✓

Passed all tests! ✓

Answer: (penalty regime: 0 %)

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

	Input	Expected	Got	
✓	10 4 4.0 2.0	14 6 6.0 2.0	14 6 6.0 2.0	✓
✓	20 8 8.0 4.0	28 12 12.0 4.0	28 12 12.0 4.0	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main(){
3     char name;
4     int m1,m2,m3;
5     scanf("%c", &name);
6     scanf("%d %d %d",&m1, &m2, &m3);
7     printf("%c\n",name);
8     printf("%d", (m1+m2+m3)/3);
9     return 0;
10 }
```

	Input	Expected	Got	
✓	A 3 4 6	A 4	A 4	✓
✓	T 7 3 8	T 6	T 6	✓
✓	R 0 100 99	R 66	R 66	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main(){
3     int i;
4     long l;
5     char c;
6     float f;
7     double d;
8     scanf("%d %ld %c %f %lf", &i,&l,&c,&f,&d);
9     printf("%d\n%ld\n%c\n%.3f\n%.9lf\n",i,l,c,f,d);
10    return 0;
11 }
```

	Input	Expected	Got	
✓	3 12345678912345 a 334.23 14049.30493	3 12345678912345 a 334.230 14049.304930000	3 12345678912345 a 334.230 14049.304930000	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main(){
3     char c;
4     scanf("%c",&c);
5     printf("%d\n%c %c",c,c-1,c+1);
6     return 0;
7 }
```

	Input	Expected	Got	
✓	E	69 D F	69 D F	✓

Passed all tests! ✓