Week 7

17 June 2024 09:24 AM

- 1. Prefix and post fix operator (++I, I++)
- 2. Conditional expression (?:)
- 3. Flags
- 4. Arrays
- 5. Arrays with for loop
- 6. How to store string in array
- 7. walkthrough
- 1. Prefix and post fix operator (++i, i++)
 - ++i -> pre increament increase the varible by 1 before the line exits
 - i++ -> post increament increase the variable by 1 after the line exits
- 2. Conditional expression (?:)
- 3. Walkthrough ->

P EY					
#include <stdio.h></stdio.h>	a	6	0 1	Flag	
int main() { -> Cade start inta = 0; //9 -> A. 103: -0	0	<i>)</i>	7	5,	_
int a = 0; //9 \rightarrow int b = 10; //10 \rightarrow int flag = 1; //true	0	10	?	?	
for (int i = a; i < b && flag; i++) { >	O	ر٥	,	1	_
printf("%d\n", i); if (i == 5) {	D	10	0	1	
}	\Diamond	6)	1	11	_

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	0	10	5		
flag = 0	٥	ں ر	5	0	
fly = 0	0	1 10	1		~

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- 2. Escape secquence(\)
- 3. Scanf and printf (g)
- 4. Casting
- 5. Switch case
- 6. For loop (g)
- 7. Convert one loop to another
- 8. Prefix and post-fix operator (++i, i++)
- 9. Conditional expression (?:)
- 10. Flags
- 11. Walkthrough
- 12. Arrays
- 13. Arrays with for loop
- 14. Parallel array

Macros

```
#define PI 3.14159
int main(void)
    double radius, area;
    printf("Enter radius : ");
    scanf("%lf", &radius);
    area = PI * radius * radius;
    // At compile-time, the above statement becomes:
    // area = 3.14159 * radius * radius
    printf("The area of your circle is : %lf\n", area);
    return 0;
}
printf and scanf
printf("Hi, everyone. \n");
printf("Hi, everyone. \"");
char a;
scanf(" %c", &a);
printf("the value of a is %c\n", a);
Output:
The value of a is 11
casting
Trying to convert one type into another
// Online C compiler to run C program online
#include <stdio.h>
int main() {
  // double b = 11.99;
  // int a = 10.99;
  // printf("the value of a is %d\n", a);
  // a = b;
  // printf("the value of b is %d\n", (int)b);
  // -> implicit
  // -> explicit
  double a = 2; // -> 2.00
  double b = 3; //-> 3.00
  double c;
  c = (int)a % (int)b; // we cannot use % with doubles
  printf("The value of c is :%If\n",c);
  return 0;
}
Switch Case
switch (value){
```

```
case 1: printf("hi");
               break;
         case 1: printf("hi");
               break;
         default:
               break;
  };
  For loop (g):
  // Online C compiler to run C program online
  #include <stdio.h>
                                             -) to (i=0; i/4; i+1)

3) - tor (i=0; i/4; i+1)
  int main() {
- for (i = 0 (i)< 4;)+
       printf("Value of i now is %d\n", i);
   >printf("Value of i now is %d\n", i);
     return 0;
  }
                                                                                          3
```

{} [i] Name[] =[];

Arrays: