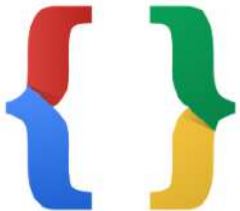
 Explore

EN



Programming in C

C is a general purpose, structured programming language .This course includes various programming concepts and techniques in C language.

Start

Learning Progress ?

Status: Completed

Completion Certificate

Click on Generate Certificate button to claim your completion certificate

Generate Certificate

Overview Contents Discussions

What you will learn

To learn the programming concepts like datatypes,functions,memory management,file etc. Also at the end of this course the learner will be able to develop a console based application.

Skills you will gain

Curators/Contacts

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At a glance

Course

17h 7m

Beginner Level

Free

Infosys Wingspan

EN

c, pointer, array, functions

Thank you. Your test submitted.

You have cleared this assessment.

Obtained Percentage

Obtained Marks

90 %

18 / 20

Best Attempt Score: 90 % on 25-03-2025

[Review Your Attempt](#)

A user defined data type, which is used to assign names to integral constants is called

- ☐ Union
- ☐ array
- ☐ structure
- ☒ enum

Warning

This operation is disabled.

What will be the output of the following C code?

```
#include <stdio.h>

void main()
{
    char *s= "hello";
    char *p = s;
    printf("%c%c", *(p + 3), s[1]);
}
```

☐ h e

☐ l l

☒ h e

☐ h l

Consider the following program, where are i, j and k are stored in memory?

```
int i;  
  
int main()  
{  
    int j;  
    int *k = (int *) malloc (sizeof(int));  
}
```

- ☐ i, j and *k are stored in stack segment
- ☐ i and j are stored in stack segment. *k is stored on heap.
- ☒ i is stored in global segment, j is stored in stack segment , k is stored on heap.
- ☐ i is stored in global segment, k is stored in stack segment , j is stored on heap.

Warning

This operation is disabled.

Ok

What is the output for the below program?

```
#include<stdio.h>
```

```
int main()
```

```
{
```

```
int i = 2;
```

```
int j = ++i + i;
```

```
printf("%d", j);
```

```
}
```

☒ 6

☐ 5

☐ 4

☐ Error

The most appropriate matching for the following pairs

X: `m=malloc(5); m= NULL;` 1: using dangling pointers

Y: `free(n); n->value=5;` 2: using uninitialized pointers

Z: `char *p; *p = 'a';` 3. lost memory is:

Warni

This op

☐ X—1 Y—3 Z-2

☐ X—2 Y—1 Z-3

☐ X—3 Y—2 Z-1

☒ X—3 Y—1 Z-2

Which function would you use to convert 1.98 to 1?

☒ floor()

☐ ceil()

☐ abs()

☐ round()

What is the output of the following program?

```
#include<stdio.h>

int main()
{
    int a = 5;
    int *ptr ;
    ptr = &a;
    *ptr = *ptr * 3; // line 3
    printf("%d", a);

    return 0;
}
```

- ☐ 3
- ☒ 15
- ☐ 5
- ☐ Error in line 3

What is the output for the below program?

```
#include <stdio.h>

int main()
{
    int i = 0, j = 0;
    while (i < 5, j < 10)
    {
        i++;
        j++;
    }
    printf("%d, %d", i, j);
}
```

- ☐ 5 5
- ☐ 5 10
- ☒ 10 10
- ☐ Syntax error

What is the output of the following program?

```
#include<stdio.h>
```

```
int main() {
```

```
    const int i = 0;
```

```
    printf("%d", i++);
```

```
    return 0;
```

```
}
```

☒ error

☐ 0

☐ 1

☐ No output

What is the output for the below program?

```
int main()
{
    extern int i;
    i = 20;
    printf("%d", sizeof(i));
    return 0;
}
```

- ☐ 20
- ☐ 4 bytes
- ☒ Undefined reference to i

Which of the following is a User-defined data type?

- ☐ typedef int Boolean;
- ☐ typedef enum {Mon, Tue, Wed, Thu, Fri} WorkDays;
- ☐ struct {char name[10], int age};
- ☒ all of the mentioned

```
#include <string.h>
#include <stdio.h>
#include <stdlib.h>

void fun(char** str_ref)
{
    str_ref++;
}

int main()
{
    char *str = (void *)malloc(100*sizeof(char));
    strcpy(str, "Quiz");
    fun(&str);
    puts(str);
    free(str);
    return 0;
}
```

- ☐ Quiz
- ☒ Garbage value
- ☐ Compiler

What is the output for the below program?

```
#include<stdio.h>

int main()
{
    int i = 0;
    switch (i)
    {
        case '0': printf("I");
                break;
        case '1': printf("am learning");
                break;
        default: printf("C language");
    }
    return 0;
}
```

- ☐ I
- ☐ am learning
- ☒ C language
- ☐ No output

Predict the output of the following :

```
#include<stdio.h>
```

```
enum colour { blue, red, yellow };
```

```
main() {
```

```
enum colour c;
```

```
c=yellow;
```

```
printf("%d",c); }
```

☐ Error

☒ 2

☐ 1

☐ 0

Which of the following is a correct comment?

☐ */ Comments */

☐ ** Comment **

☒ /* Comment */

☐ { Comment }

What is the output for the below program?

```
#include <stdio.h>
int main()
{
    unsigned int m = 32;
    printf("%d %d", m >> 1, ~m);
    return 0;
}
```

- ☐ 16 5
- ☐ 64 -32
- ☐ 16 33
- ☒ 16 -33

What is meant by 'a' in the following C operation?

```
fp = fopen("Random.txt", "a");
```

- ☐ Attach
- ☐ Apprehend
- ☒ Append
- ☐ Add

Which of the following has a global scope in the program?

- ☐ Formal parameters
- ☒ Macros
- ☐ local variable
- ☐ constant

War

This c

Assume the content of the file test.txt is "Hello" and answer the following question :

```
#include<stdio.h>
```

```
void main()
```

```
{
```

```
File*fp;
```

```
fp= fopen("test.txt",'r');
```

```
char c =fgetc(fp);
```

```
printf("%d",ftell(fp));
```

```
}
```

☒ 1

☐ 0

☐ 2

☐ NULL

Warning

This operation is disabled.

Ok

Predict the output of the following :

```
#include <stdio.h>
```

```
struct
```

```
{
```

```
int k;
```

```
char c;
```

```
};
```

```
int main()
```

```
{
```

```
struct p;
```

```
p.k = 10;
```

```
printf("%d", p.k);
```

```
}
```

☒ Compile time error

☐ 10

☐ Undefined behaviour

☐ Segmentation fault