

Quiz 3

Total points 75/105 ?

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Section score 75/105

✓ Q16

5/5

Which of the following is NOT possible with any 2 operators in C?

- ☐ Different precedence, same associativity
- ☐ Different precedence, different associativity
- ☒ Same precedence, different associativity
- ☐ All of the mentioned

✓



✓ Q6

5/5

```
#include <stdio.h>

void m();
void n()
{
    m();
}

void main()
{
    void m()
    {
        printf("hi");
    }
}
```

- ☐ hi
- ☒ Compile time error
- ☐ Nothing
- ☐ Varies



✓ Q19

5/5

Which of the following is a correct format for declaration of function?

- ☒ return-type function-name(argument type);
- ☐ return-type function-name(argument type){}
- ☐ return-type (argument type)function-name;
- ☐ all of the mentioned



✓ Q8

5/5

```
#include<stdio.h>

int main()
{
    int a = 500, b = 100, c;
    if(!a >= 400)
        b = 300;
    c = 200;
    printf("b = %d c = %d\n", b, c);
    return 0;
}
```

- ☐ b = 300 c = 200
- ☐ b = 100 c = garbage
- ☐ b = 300 c = garbage
- ☒ b = 100 c = 200

✓

✓ Q3

5/5

```
int main()
{
    int fun(int);
    int i = fun(10);
    printf("%d\n", --i);
    return 0;
}

int fun(int i)
{
    return (i++);
}
```

- ☒ 9
- ☐ 10
- ☐ 11
- ☐ 8

✓



```
#include<stdio.h>
int main()
{
    float a = 0.7;
    if(0.7 > a)
        printf("Hi\n");
    else
        printf("Hello\n");
    return 0;
}
```

☐ Hi

☒ Hello

×

☐ Hi Hello

☐ None of above

Correct answer

☒ Hi

```
#include<stdio.h>
int main()
{
    printf("%p\n", main());
    return 0;
}
```

- ☒ It prints garbage values infinitely
- ☐ Runs infinitely without printing anything
- ☐ Compile Error: main() cannot be called inside printf()
- ☐ None of the above

✗

Correct answer

- ☒ Runs infinitely without printing anything

```
#include<stdio.h>
int main()
{
    short int i = 0;
    for(i<=5 && i>=-1; ++i; i>0)
        printf("%u,", i);
    return 0;
}
```

- ☐ 1 ... 4294967295
- ☐ Expression syntax error
- ☐ No output
- ☒ 0, 1, 2, 3, 4, 5

✗

Correct answer

- ☒ 1 ... 4294967295

✓ Q17

5/5

```
#include <stdio.h>

void main()
{
    {
        int x = 8;
    }
    printf("%d", x);
}
```

- ☐ 8
- ☐ 0
- ☐ Undefined
- ☒ Compile time error

✓

✓ Q2

5/5

```
#include<stdio.h>

int main()
{
    printf("Hello");
    main();
    return 0;
}
```

How to times hello will be printed?

- ☐ Compile Error
- ☐ 32767 times
- ☐ 65535 times
- ☒ Infinite times followed by memory overflow

✓



Which of the following is the correct usage of conditional operators used in C?

- ☒ a>b ? c=30 : c=40; ×
- ☐ a>b ? c=30;
- ☐ max = a>b ? a>c?a:c:b>c?b:c
- ☐ return (a>b)?(a:b)

Correct answer

- ☒ max = a>b ? a>c?a:c:b>c?b:c

Accept the pledge and sign your name. "I affirm that I will not give or receive any unauthorized help on this exam, and that all work will be my own." Signature [Write your name Below] *

M Maheeth Reddy



✓ Q1

5/5

```
#include <stdio.h>

int main()
{
    void foo();
    printf("1 ");
    foo();
}

void foo()
{
    printf("2 ");
}
```

- ☒ 1 2
- ☐ Compile time error
- ☐ 1 2 1 2
- ☐ None of the above

✓

✓ Q13

5/5

```
int main()
{
    int k, num = 30;
    k = (num < 10) ? 100 : 200;
    printf("%d\n", num);
    return 0;
}
```

- ☐ 200
- ☒ 30
- ☐ 100
- ☐ 500

✓



Roll Number *

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× Q20

0/5

```
#include <stdio.h>
void main()
{
    int b = 5 & 4 & 6;
    printf("%d", b);
}
```

☒ 5

×

☐ 6

☐ 3

☐ 4

Correct answer

☒ 4



✗ Q21

0/5

```
#include <stdio.h>

void main()
{
    int b = 5 + 7 * 4 - 9 * (3, 2);
    printf("%d", b);
}
```

☒ 6

✗

☐ 15

☐ 13

☐ 21

Correct answer

☒ 15

✓ Q5

5/5

```
long fun(int num)
{
    int i;
    long f=1;
    for(i=1; i<=num; i++)
        f = f * i;
    return f;
}
```

☐ The function calculates the value of 1 raised to power num.

☐ The function calculates the square root of an integer

☒ The function calculates the factorial value of an integer

✓

☐ None of above



✓ Q11

5/5

```
#include<stdio.h>
int main()
{
    char ch;
    if(ch = printf(""))
        printf("It matters\n");
    else
        printf("It doesn't matters\n");
    return 0;
}
```

- ☐ It matters
- ☒ It doesn't matters
- ☐ matters
- ☐ No output

✓

✓ Q18

5/5

```
#include <stdio.h>
void main()
{
    int k = 0;
    for (k < 3; k++)
        printf("Hello");
}
```

- ☒ Compile time error
- ☐ Hello is printed thrice
- ☐ Nothing
- ☐ Varies

✓



```
#include<stdio.h>
int main()
{
    int x = 3;
    float y = 3.0;
    if(x == y)
        printf("x and y are equal");
    else
        printf("x and y are not equal");
    return 0;
}
```

- ☒ x and y are equal
- ☐ x and y are not equal
- ☐ Unpredictable
- ☐ No output



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✓ Q14

5/5

```
#include<stdio.h>
int main()
{
    int i=3;
    switch(i)
    {
        case 1:
            printf("Hello\n");
        case 2:
            printf("Hi\n");
        case 3:
            continue;
        default:
            printf("Bye\n");
    }
    return 0;
}
```

- ☒ Error: Misplaced continue
- ☐ Bye
- ☐ No output
- ☐ Hello Hi

✓

✓ Q15

5/5

Which of the following is not a valid variable name declaration?

- ☐ float PI = 3.14;
- ☐ double PI = 3.14;
- ☐ int PI = 3.14;
- ☒ #define PI 3.14

✓



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