X

Unit 5 - Week 3

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

- Lecture 11 : Assignment Statement and Operators in C (unit?unit=4&lesson=25)
- Lecture 12 : Arithmetic Expressions and Relational Expressions (unit?unit=4&lesson=26)
- Lecture 13 : Logical Operators and Change in Control Flow

Assignment 3

The due date for submitting this assignment has passed. Due on 2020-02-19, 23:59 IST.
As per our records you have not submitted this assignment.

1) The precedence order (from highest to lowest) of arithmetic operators is *1 point*

- a) %, *, /, +, –
- b) %, +, /, *, –
- c) +, -, %, *, /
- d) %, +, -, *, /

No, the answer is incorrect.
Score: 0
Accepted Answers:
*a) %, *, /, +, –*

2) Which of the following are incorrect statements? *1 point*

```
1) if(a==7)   printf("IncludeHelp");
2) if(7==a)   printf("IncludeHelp");
3) if(a=7)   printf("IncludeHelp");
4) if(7=a)   printf("IncludeHelp");
```

- a) 1 and 2.
- b) 3 only.
- c) 4 only.
- d) 2,3 and 4.

No, the answer is incorrect.
Score: 0
Accepted Answers:

(unit?
unit=4&lesson=27)

- Lecture 14 : Use of Logical Operators in Branching (unit? unit=4&lesson=28)
- Lecture 15 : Branching : IF - ELSE Statement (unit? unit=4&lesson=29)
- **Quiz : Assignment 3 (assessment? name=102)**
- Week-03 Program-01 (/noc20_cs06/progassignment? name=105)
- Week-03 Program-02 (/noc20_cs06/progassignment? name=106)
- Week-03 Program-03 (/noc20_cs06/progassignment name=107)
- Week-03 Program-04 (/noc20_cs06/progassignment name=108)
- Feedback For Week 3 (unit? unit=4&lesson=114)

Week 4

Week 5

Week 6

Week 7

Week 8

Week 9

Week 10

Week 11

Week 12

c) *4 only.*

3) What is the output of the following program? **1 point**

```
#include<stdio.h>
int main()
{
   int i;
   if(i=0,2,3)
      printf("NPTEL ");
   else
      printf("Programming on C ");
   printf("%d\n", i);
}
```

- a) Programming on C 0
- b) NPTEL 0
- c) NPTEL 3
- d) Compilation error

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) NPTEL 0

4) Find the output of the following C code **1 point**

```
#include<stdio.h>
int main()
{
  int a=12, b=18, c=7, d=4, result;
  result=a+a*-b/c%d+c*d;
  printf("%d", result);
  return 0;
}
```

- a) -18
- b) 38
- c) 24
- d) -32

No, the answer is incorrect.
Score: 0
Accepted Answers:
b) 38

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Assignment Solution

5) What is the output of the following C code? ***1 point***

```
#include <stdio.h>
int main()
{

   int y = 10;
   int z = y +(y == 10);
   printf("%d\n", z);
   return 0;
}
```

- a) 10
- b) 11
- c) 20
- d) Compiler error

No, the answer is incorrect.
Score: 0

Accepted Answers:
b) 11

6) What will be the output?

```
#include <stdio.h>
int main()
{
   int h = 9;
   int b = 5 * 2 + 2 * 3 < h*2 ?  5 : 3;
   printf("%d", b);
   return 0;
}
```

Hint

No, the answer is incorrect.
Score: 0

Accepted Answers:
(Type: Numeric) 5

1 point

7) What is the output of the C program given below? **1 point**

```
#include <stdio.h>
int main()
{
   int x = 0;
   if (x++)
      printf("true\n");
   else if (x == 1)
      printf("false\n");
   return 0;
}
```

- a) true
- b) false
- c) Compiler dependent
- d) Compiler error

No, the answer is incorrect.
Score: 0

Accepted Answers:
b) false

8) What will be the output? **1 point**

```
#include <stdio.h>
int main()
{
   int a = 1, b = 2, c = 3;
   if (c > b > a)
         printf("true");
   else
         printf("false");
   return 0;
}
```

- a) true
- b) false
- c) Syntax Error
- d) Compilation Error

No, the answer is incorrect.
Score: 0

Accepted Answers:
b) false

9) Which of the following statement is correct? **1 point**

- a) Operator precedence determines which operator is performed first in an expression with more than one operator with different precedence.

Associativity is used when two operators of same precedence appear in an expression

b) Operator associativity determines which operator is performed first in an expression with more than one operator with different associativity. Precedence is used when two operators of same precedence appear in an expression

c) Operator precedence and associativity are same.

d) None of the above

No, the answer is incorrect.
Score: 0

Accepted Answers:

a) Operator precedence determines which operator is performed first in an expression with more than one operator with different precedence. Associativity is used when two operators of same precedence appear in an expression

10 **1 point**

What if the output of the program below?

```
#include <stdio.h>
int main()
{
   int a = 1, b = -1, c = 0, d;
   d = ++a && ++b || c--;
   if (d)
        printf("Kolkata \n");
   else if(c)
        printf("Delhi \n");
   else
        printf("Bangalore \n");
   return 0;
}
```

a) Kolkata

b) Delhi

c) Bangalore

d) Compiler error

No, the answer is incorrect.
Score: 0

Accepted Answers:

b) Delhi