

# Unit 2 - Week 0

## Course outline

How does an NPTEL online course work?

### Week 0

Quiz : Assignment 0

### Week 1

### Week 2

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## Assignment 0

The due date for submitting this assignment has passed.  
As per our records you have not submitted this assignment.

**Due on 2020-01-27, 23:59 IST.**

**Note :** This assignment is for practice and it will not be graded

1) What will be the output of the given C snippet?

```
int a = 5;
printf("%d", a++);
```

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
(Type: Numeric) 5

1 point

2) What does the following code snippet do? The values referred in options are initial values of a and b.

```
int a = 2, b = 3;
a = a + b;
b = a - b;
a = a - b;
```

- Store (a+b) in a, (a-b) in b
- Store (a-b) in both a and b
- Store (a-b) in a, (a+b) in b
- Swap values of a and b

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Swap values of a and b

1 point

3) Find the value of sum at the end of the following code.

```
int i = 0;
while ( i < 10 ){
    sum += i;
    i++;
}
```

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
(Type: Numeric) 45

1 point

4) Which of the following gates have the following truth table?

a	b	out
0	0	0
0	1	1
1	0	1
1	1	1

- AND
- OR
- NAND
- NOR

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
OR

1 point

5) Which of the following are considered universal gates?

- NAND
- NOT
- NOR
- None of the above

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
NAND  
NOR

1 point

6) Which of the following is NOT a component of this course?

- Computer Organisation and architecture
- Compilers
- Operating Systems
- Machine Learning

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Machine Learning

1 point

7) Which of the following acts as an interface between the hardware and the software in a computer?

- Compiler
- Operating System
- Keyboard and Mouse
- Monitor

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Operating System

1 point

8) In a computer, which of the following translates a high-level C code into machine understandable binary code?

- Compiler
- Operating System
- Keyboard and Mouse
- Monitor

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
Compiler

1 point

9) What is the total number of 2-input gates (AND, OR, NOT) are needed to realise the logic  $ab+c$ , where a, b, c are 1-bit inputs?

No, the answer is incorrect.  
Score: 0

Accepted Answers:  
(Type: Numeric) 2

1 point