National University of Computer and Emerging Sciences, Lahore Campus

Course:	**Operating Systems**		**Course Code:**	**CS205**
Program:	**BS(Computer Science)**		**Semester:**	**Spring 2019**
Due Date:	**12-2-2019**		**Total Marks:**	**5**
Section:	**C**		**Weight**	**5**
Exam:	**Quiz 1**		**Page(s):**	**1**
Name:			**Roll #:**	

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1. Calculate number of times hello is printed. (3 marks)

```c
#include <stdio.h>
#include <sys/types.h>
int main()
{
   fork();
   fork();
   fork();
   printf("hello\n");
   return 0;
}
```

How many times the string hello is printed?

8 times.

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2. What is a zombie process? (2 marks)

A process that has terminated but whose parent has not yet called the wait() is known as a zombie process.