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| **National University of Computer and Emerging Sciences, Lahore Campus** | | | | |
| C:\Users\saif\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\final design.jpg | **Course:** | **Operating Systems** | **Course Code:** | **CS205** |
| **Program:** | **BS(Computer Science)** | **Semester:** | **Spring 2019** |
| **Due Date:** | **12-2-2019** | **Total Marks:** | **5** |
| **Section:** | **D** | **Weight:** | **5** |
| **Exam:** | **Quiz 1** | **Page(s):** | **1** |
| **Name:** |  | **Roll #:** |  |

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| 1. Calculate number of times hello is printed. (3 marks)   #include <stdio.h>  #include <sys/types.h>  #include <unistd.h>    void forkexample()  {  int x = 1;    if (fork() == 0)  printf("Child has x = %d\n", ++x);  else  printf("Parent has x = %d\n", --x);  }  int main()  {  forkexample();  return 0;  } | Write all possible outputs of the code in the left box. |
| 1. What is the argument and return value for the wait() system call? (2 marks) | |