

Advanced Programming

COMS 3157

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1. Q1? (2 Mark)
 - (a) What is a signal?
 - (b) What is a signal handler?
2. Give the scenario where each signal would occur. (4 Marks)
 - (a) SIGFPE
 - (b) SIGINT
 - (c) SIGTSTP
 - (d) SIGCONT
3. Give the following actions for the predefined signal function handlers in `signal()` (1 mark)
 - (a) SIG_DFL
 - (b) SIG_IGN
4. Which two signals cannot have any signal handlers? (2 Mark)
5. What does the `raise(int iSig)` function do? (1 mark)
6. What does the `kill(pid_t iPid, int iSig)` function do? (1 mark)
7. Q5. [1 Mark] (1 mark)
 - (a) What does the `alarm(int time)` function do?
 - (b) What happens if the time argument is set to 0?