

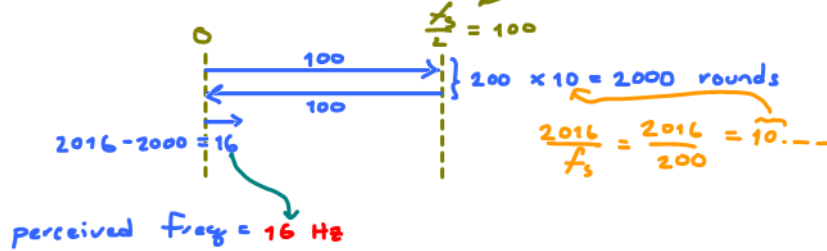
Instructions

1. Separate into groups of no more than three persons.
2. The group cannot be the same as your former group.
3. Only one submission is needed for each group.
4. **Write down all the steps** that you have done to obtain your answers. You may not get full credit even when your answer is correct without showing how you get your answer.
5. **Do not panic.**

Name	ID
Prapun	555

1. Suppose we input $\cos(2\pi(\text{XXXX})t)$ into `plotspect` with sampling rate $f_s = 200$ samples/sec. Find the perceived frequency (the freq. that `plotspect` sees) when

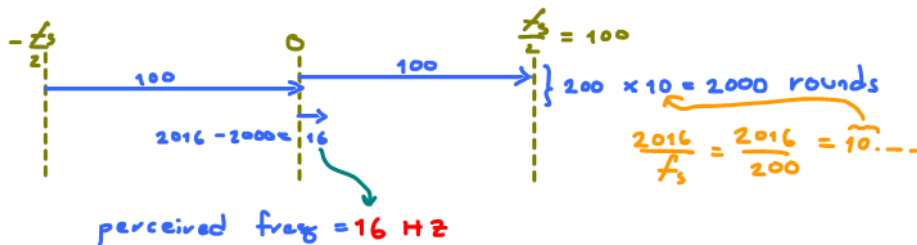
a) XXXX = 2016



b) XXXX = the last four digits of the ID of a person in your group

2. Suppose we input $e^{j(2\pi(\text{XXXX})t)}$ into `plotspect` with sampling rate $f_s = 200$ samples/sec. Find the perceived frequency (the freq. that `plotspect` sees) when

a) XXXX = 2016



b) XXXX = the last four digits of the ID of a person in your group.