**# Practical 3**

**## fs=2**

**A=2**

**fa=2**

**fs=2**

**t=0:1/fs:2\*%pi**

**x1=(A\*sin (2\*%pi\*fa\*t))**

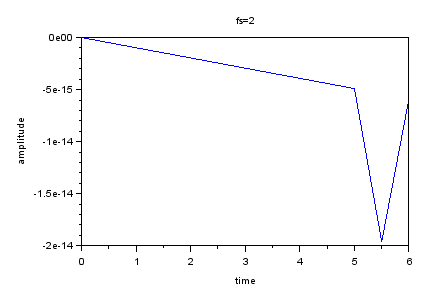
**subplot (2,2,1)**

**plot (t, x1)**

**title ("fs=2")**

**xlabel ("time")**

**ylabel ("amplitude")**

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**## fs=4**

**fs=4**

**t=0:1/fs:2\*%pi**

**x2=(A\*sin (2\*%pi\*fa\*t))**

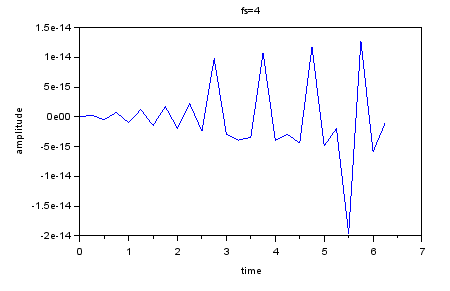
**subplot (2,2,2)**

**plot (t, x2)**

**title ("fs=4")**

**xlabel ("time")**

**ylabel ("amplitude")**

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**## fs=8**

**fs=8**

**t=0:1/fs:2\*%pi**

**x3=(A\*sin (2\*%pi\*fa\*t))**

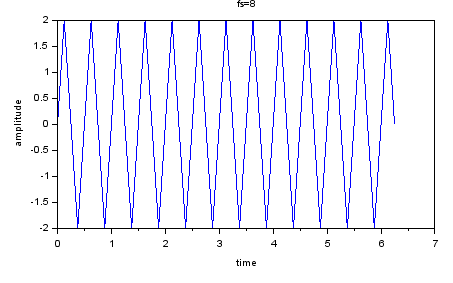
**subplot (2,2,3)**

**plot (t, x3)**

**title ("fs=8")**

**xlabel ("time")**

**ylabel ("amplitude")**

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**## fs=16**

**fs=16**

**t=0:1/fs:2\*%pi**

**x4=(A\*sin (2\*%pi\*fa\*t))**

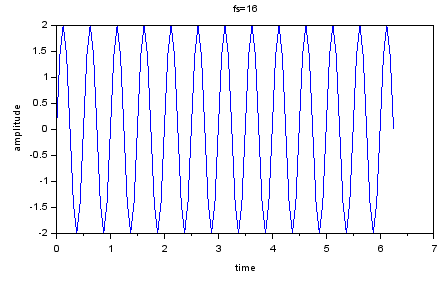
**subplot (2,2,4)**

**plot (t, x4)**

**title ("fs=16")**

**xlabel ("time")**

**ylabel ("amplitude")**

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