HOMEWORK-5

Note: Write your Name & ID. Example: Student_Name_ID:1234567890 in all figure's titles

1. Write MATLAB code for ASK modulation. Take digital message signal bit stream like **b =** [0 1 1 0 1 1 1 0 1 1 0 1] **from user,** and Carrier Signal is **C(t)=sin(2*pi*f$_c$*t)** and **F$_c$ = 4.**
2. Write MATLAB code for FSK modulation. Take digital message signal bit stream like **b =** [0 1 1 0 1 1 1 0 1 1 0 1] **from user,** and Carrier Signal is **C(t)=sin(2*pi*f$_c$*t)** and **F$_c$ = 3.**
3. Write MATLAB code for PSK modulation. Take digital message signal bit stream like **b =** [0 1 1 0 1 0 1 0 1 1 0 1] **from user,** and Carrier Signal is **C(t)=sin(2*pi*f$_c$*t)** and **F$_c$ = 2. And phase deviation kp=pi/2.**