

Exp5.m

```
1  clc;
2  clear all;
3  close all;
4  m = 0;
5  sd = 1;
6  x = -6:0.1:6;
7  y = normpdf(x,m,sd);
8  figure(1)
9  %subplot(2,3,1)
10 plot(x,y)
11 axis([-6 6 0 1]);
12 title('CASE-1: mean=0, std dev=1');
13 xlabel('x values----->');
14 ylabel('PDF----->');
15 grid on;
16
17 m = 1;
18 sd = 1;
19 x = -6:0.1:6;
20 y = normpdf(x,m,sd);
21 figure(2)
22 %subplot(2,3,1)
23 plot(x,y)
24 axis([-6 6 0 1]);
25 title('CASE-2: mean=1, std dev=1');
26 xlabel('x values----->');
27 ylabel('PDF----->');
28 grid on;
29
30 m = -1;
31 sd = 1;
32 x = -6:0.1:6;
33 y = normpdf(x,m,sd);
34 figure(3)
35 %subplot(2,3,1)
36 plot(x,y)
37 axis([-6 6 0 1]);
38 title('CASE-3: mean=-1, std dev=1');
39 xlabel('x values----->');
40 ylabel('PDF----->');
41 grid on;
```

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