```
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 Compet BCD & A
 Roll No. -> 17
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C1B
Step 1) Read the input of 2 end points of line
   as (11,41) & (22,42) such that 211=22 & 411=42
3tep 2: Calculate dx = x2-x1 and dy=y2-y1
5tep3, Ib (dx > = dy)
       step=dx
       else
       step = dy
Step4) xin=dx/step & yin=dy/step
       x=x1+0.5 & y=y1+0.5
steps >
        for (k=0; k < step; k++)
Step 6 :
          X=X+ XIN
          y = y + yin
          Putpixel (x,y)
```

```
# include (graphies.4)
It include Estato. h)
4 include (mather)
 Void main()
  float x, y, x1, y1, x2, y2, dx, dy, step.
   ind i, gd=DETECT, gm;.
  mitgraph ( 8 gd, 8 gm, " C: 11 turbo (3 11 bg; ");
  month that "the time to the light
  Part 1" Enter the value of x1 and y1: ")
   Scanf (" % + % + ", Ex1, Ey1);
  Pointf ("Enter the value of $22 and y2:")
  scant ( " olo + dot " & x5 8 8 5).
   dx = aps (x5-x1).
   dy = abx (y2-y1);
   if (dx >= dy)
   step = dx;
   else
   Step=dy!
   dx = dx /step;
   dy = dy / step;
    スニスじ
    y = y1;
    121
    while (i L=step)
      putpixel (x,y,s);
      CXb+x =x
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9= y+dy; i = i+1; delay (100); 3 closegraph(); Enter the value of x1 and y1 : 100 100 Enter the value of x2 and y2: 150 150