Name: Abhishek kumcon Roll No: 1121003 (03) Section: A Conse: BCB Simister: 6th Bos 1: DDA Algorithm: Stipl: Stant algorithm Step 2: Declare x1, 11, 122, y2, da, dy, x, y as integer variables. Step3: Enter value of anying, ye Step 4: Palcolate da = 22-2, Step 5: Calculate dy = 42-41 Step 6: 14 ABS(dr) > ABS(dy) Then step = abs (da) Else Stip 7 ainc = da Istip yine = dyl step assign 2 = 2, assign y = y1 Step 8: Set pixel (n, y)

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Step 9:
            J = 71 + 2 mc
              y = y + yinc
              Set pixels (Round(a), Round(y))
   Step 10: Reprort step a unit 2 = 22
   Step 11: End Algorithm.
logrum:
  # molude < graphics. h)
  I include < conic.h)
   # include (stdion)
   void maintix
         mtg intgd = DETECT, gm, i;
         Stout x, y, dx, dy, steps:
          int 20, 21, 40, 41;
           integraph (89d, 89m, "C:117(11 BG1")
          SI + bK(0) OV ( WHITE);
           20=100, 40=200, 21=500, 41=3001
           90 = ( $100+) (x1-20);
            dy = (1/00+) (y, -yo);
             ig (da) = dy) {
                      Steps = dx;
```

```
€15€ X
    stops = dy;
dx = d2 / Styps;
 dy = dy / stops;
 2 = 20;
 4 = 40:
 1'31;
while (ix = steps) x
     Outpixel(2, y, RED);
     ort=da
      y+=dy;
      1=1+1;
  getch();
  (losigraph();
```