Name & Manisha Robusii Roll Nos 1121080 Subject's Computer Goraphics Gulgest codes PBI- 602 Course: BCA Sec 610 Sem-VI Ans 1 = Poug of Buesenham's line Algo # Enclude < stdio. h> # Include (graphics.h) 9nt Sd= DETECT, Sm, x0, y0, x1, y1, dx, dy, P, x, ys points ("10-oodhales of front points"); pountf (coin talear the value of x 1: "); scorf (10/00 ", 2×0); peanly (co. Enter the value of y1: 19); Scorf (16 % d") & yo); perint (" (0-09 linates of second point;"); poured ("In todes the value of x2:"); Score (660/6d", &xI); puth ("Enter the value of y2:"); Score (660/00 "), 241); Insteaph (&gd, &gm, " "); dx-x1-x0; dy = 41-40;

P= 2+dy-dns while (XXXI) y (p>=0) putplixel (x,y, 4); Y= Y+1; P=p+ &+dy- 2 +dx; pulpixel (x, y, 4)3 p=p+2 +dy3 x= x+1; Jetch (); setwo 03 Alsosathm Greens * Standing Cocordinales= (xo, xo) * Ending woodlnates = (xn, xn) The points Seneration wind Burisham line Duanted Also Envolves the following steps. Step-01 calculate ex and by forem the given input There parameter are calculated as-

200 $\Delta x = xn - xo$ DY = Yn-Yo step-ols Calculate the oleces con parameter of It is calculate PK = 2DY-DX. Step-038 suppose the auwent point is (XK, YK) and the next point 21 (XK+1) And the next point dependent on the value of decilen parameter Pk. follow the below puro cases. Step-048 Keep suspending step-03 until the end postet 94 seached on number of Eteration equals to (bx-1) times. PK+1= PK+2DY Care -01 PK+2 - PK+2DY-2DX (care-02)> XK+1 = XK+1 YK+1 = YK+1

Nanusha