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scc :- C subject code :- PBC-602

Ques2 Problem statement :- Mid point circle

Algorithem :-

Source code :-

```
# include <stdio.h>
# include < graphics.h>
int main ()
{
  int gd = DETECT, gm ;
  int r, x, y p, xc = 200, yc = 200
  printf ("enter radius") ;
  scanf ("%d", &r) ;
  intgraph (& gd, & gm ; "...") ;
    x = 0 ;
    y = r ;
   p = 1-r ;
  for (x=0 ; x <= y ; x++)
  { if (p<0)
  { y = y ;
    p = p + (2 * x) + 1) ;
  }
  else
```

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```
    }
    y = y - 1;
    p = p + (2*x) - (2*y) + 1;
  }
putpixel(xc + x, yc + y, 7);
putpixel(xc + y, yc + y, 7);
putpixel(xc - x, yc + y, y, 7);
putpixel(xc - y, yc - y, y, 7);
putpixel(xc - x, yc - y, 7);
putpixel(xc - y, yc - x, 7);
putpixel(xc + x, yc - y, 7);
putpixel(xc + y, yc - x, 7);
  }
getch();
closegraph();
return 0;
}
```


SDL-libgraph -- Graphics on GNU/Linux