LAB REPORT OF

Artificial Intelligence

(ADBB 205)

A report submitted in partial fulfillment of the requirements for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

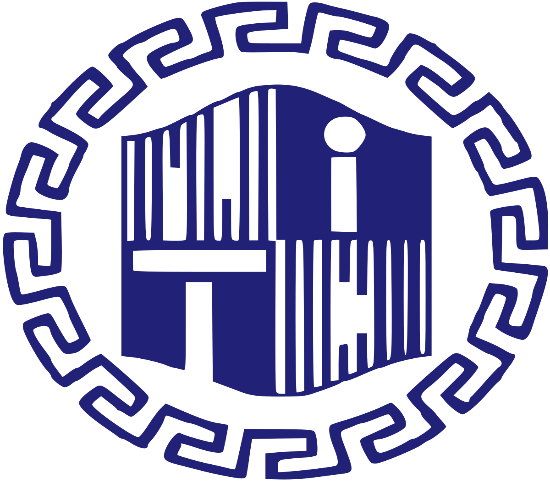
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

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Submitted To

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NATIONAL INSTITUTE OF TECHNOLOGY DELHI

DECEMBER 2024

DDA line

DDA triangle

DDA circle

Mid Point Circle Generation -single circle

Mid Point Circle generation- Olympics logo

Mid Point Circle generation – Audi logo

Animation of moving a car left to right along with smoke

Boundary Fill Algorithm

4-connected points

8-connected points

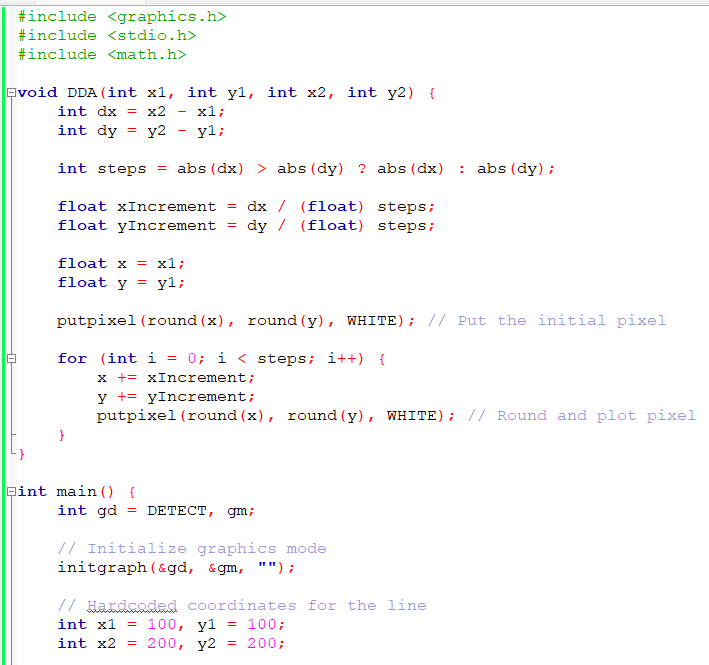
Straight fill

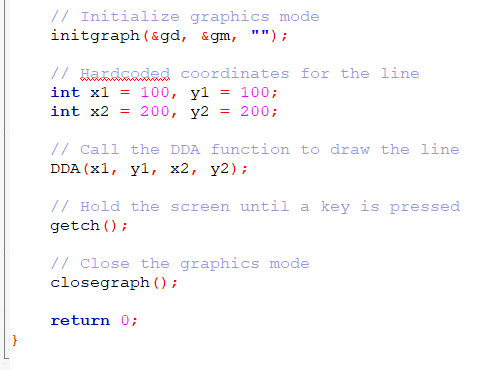
Diagonal Fill

Flood Fill Algorithm

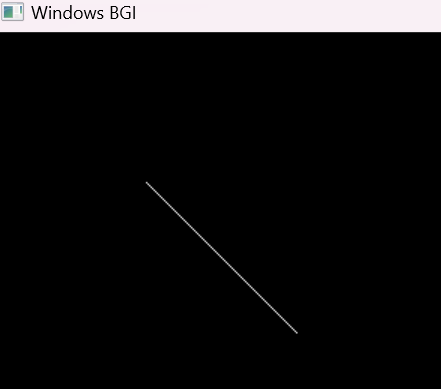
DDA Algorithm (Line)

Code:



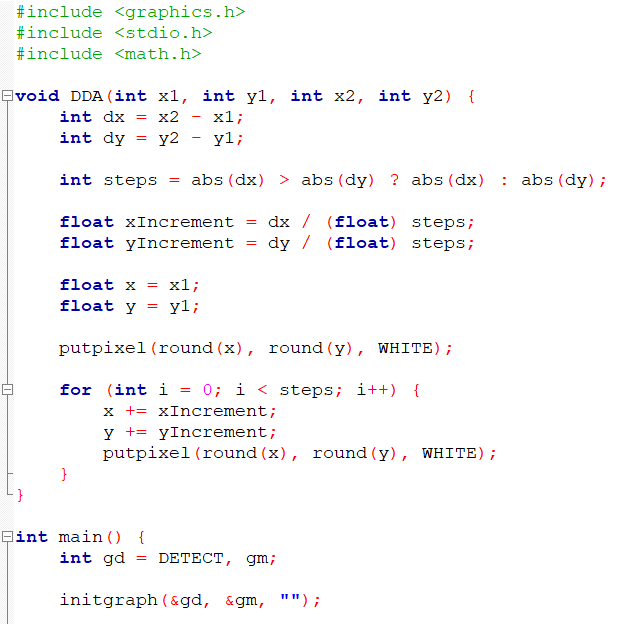


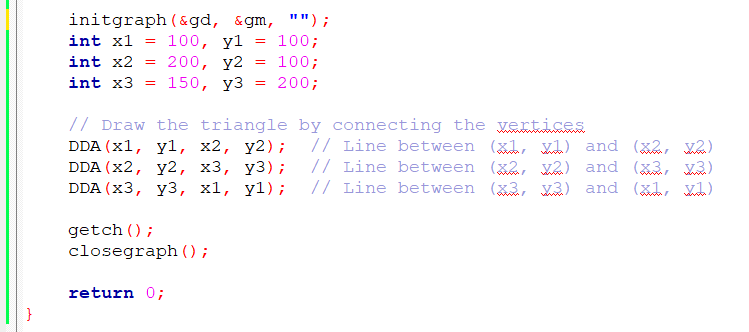
Output:



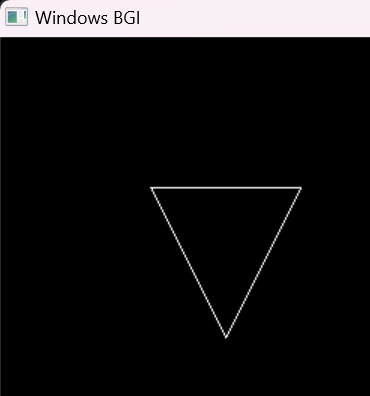
DDA (Triangle)

Code:



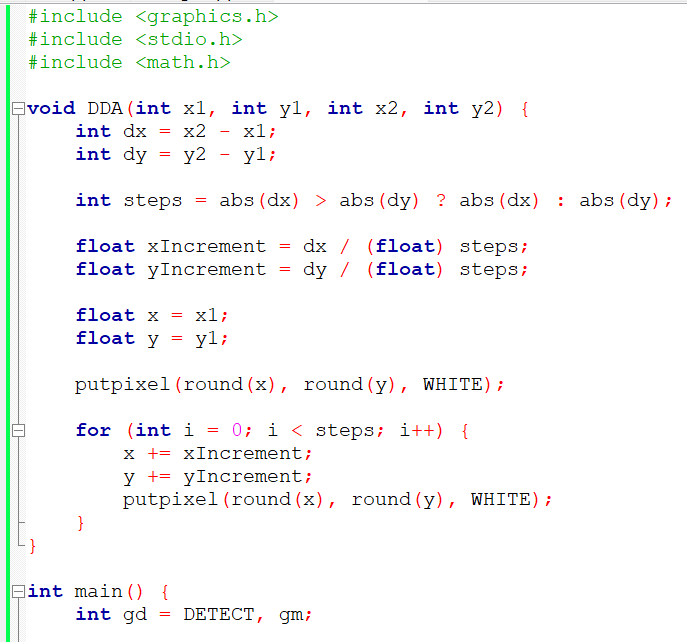


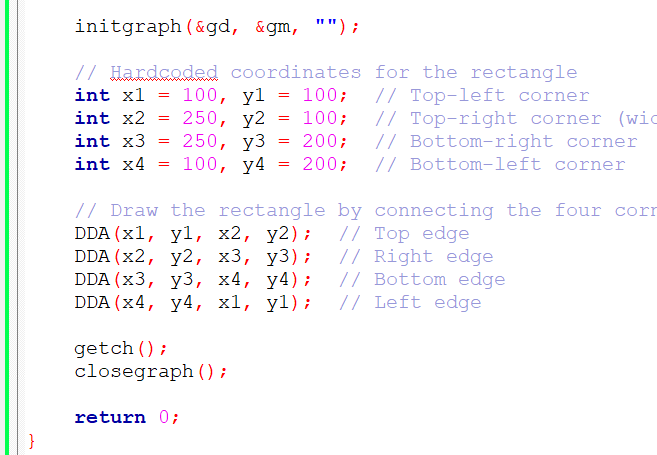
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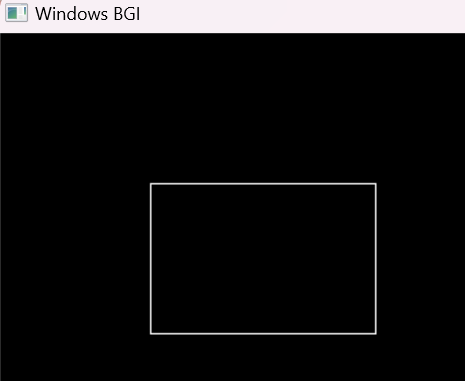
DDA(Rectangle)

Code:



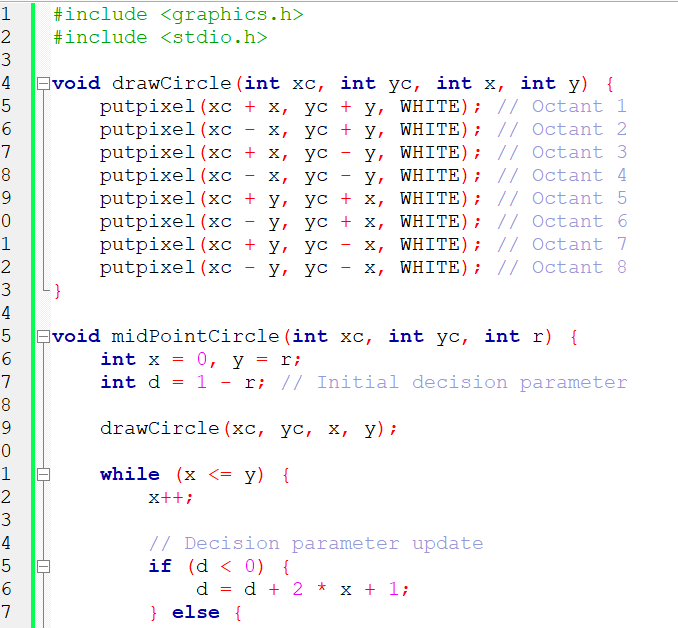


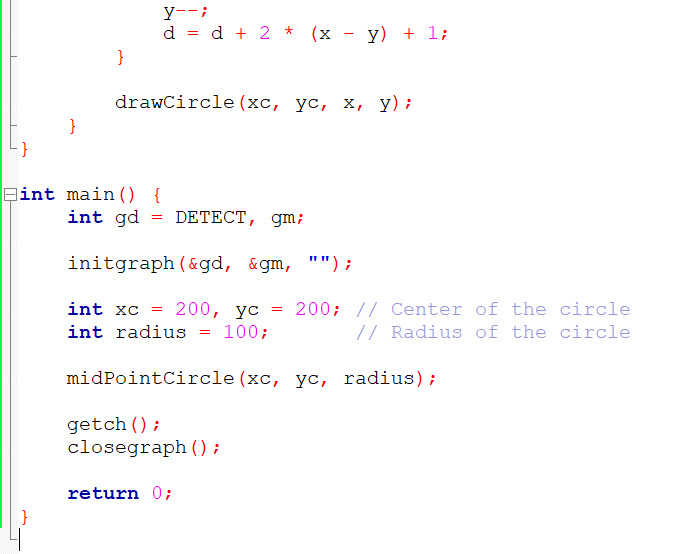
Output:



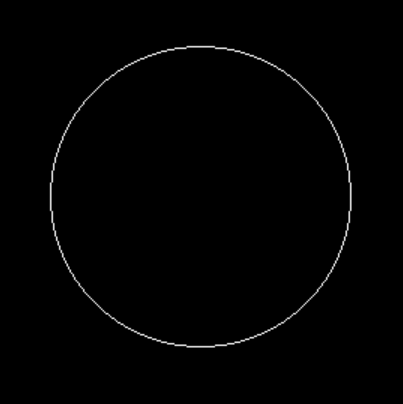
Mid-Point Circle Generation – Single Circle

Code:





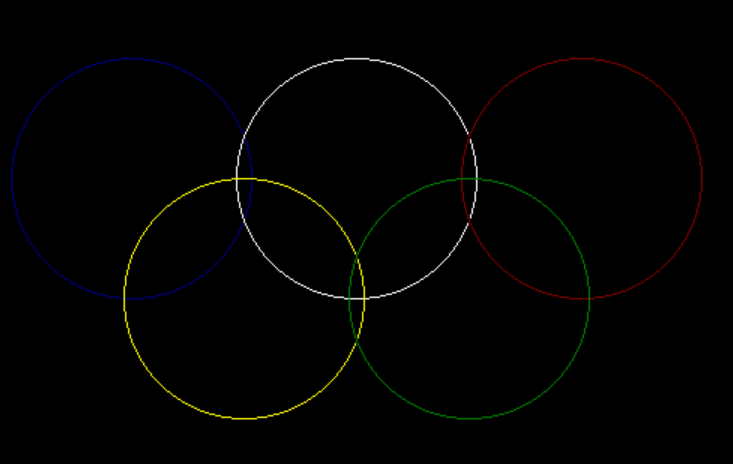
Output:



Olympics Logo

Code:

Output:



Audi Logo

Code

Output

