1)

RUN :python mdirectory.py

Enter name of CSV file <file\_name>.csv

1:shows directory(prints data)

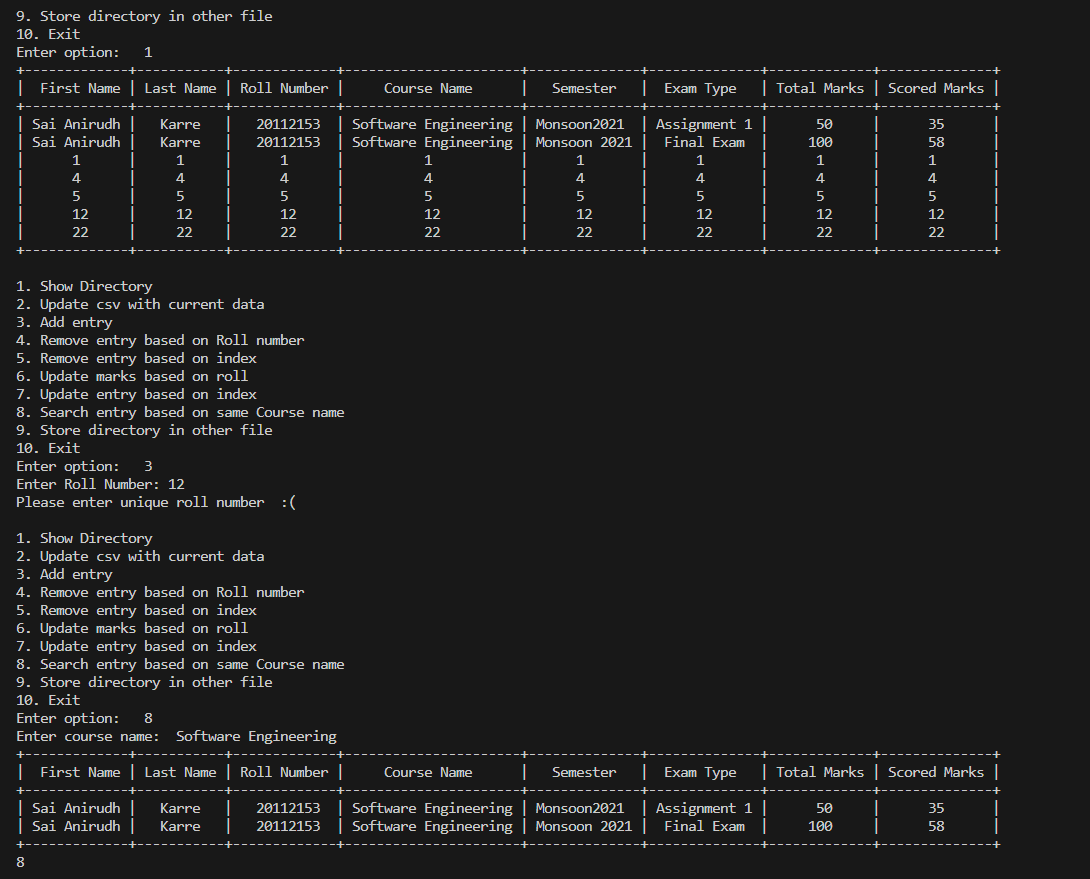
2:we can update current data to csv as need (to improve perfoemance)

9:we can store current data in other csv file

10: it automatically updates csv with data before exiting

rest [3:8] do update,entry,deletion operations

Data stored has Unique roll number



2)

make file input\_2.txt

code supports input in [("3cm", "N"), ("4.5mm", "NW"),("2mm", "SE"),("23mm","E")] similiar format above file , in same directory

RUN: python map.py

It will plot all distances in 2D, incduced by movements

On terminal it also prints relative direction and distances at end like:

A screen shot of a graph

Description automatically generated

A computer screen shot of a code

Description automatically generated

3)

Run :python kaooa.py

All rules mentioned are followed:https://www.whatdowedoallday.com/kaooa/ are followed

Display represents Crows eaten ,which player should play and name of player winning game

USE SINGLE CLICK over dots

Initially chance by chance, Player1 locates crow by selcting first on OUTER SINGLE dot, then on vaccant dot of game till 7 crows

After that Player1 can move crow by selecting from\_dot and to\_dot once.

Initially Player2 locates Vulture from red dot initially, onwards when chance comes select from\_dot, then to\_dot

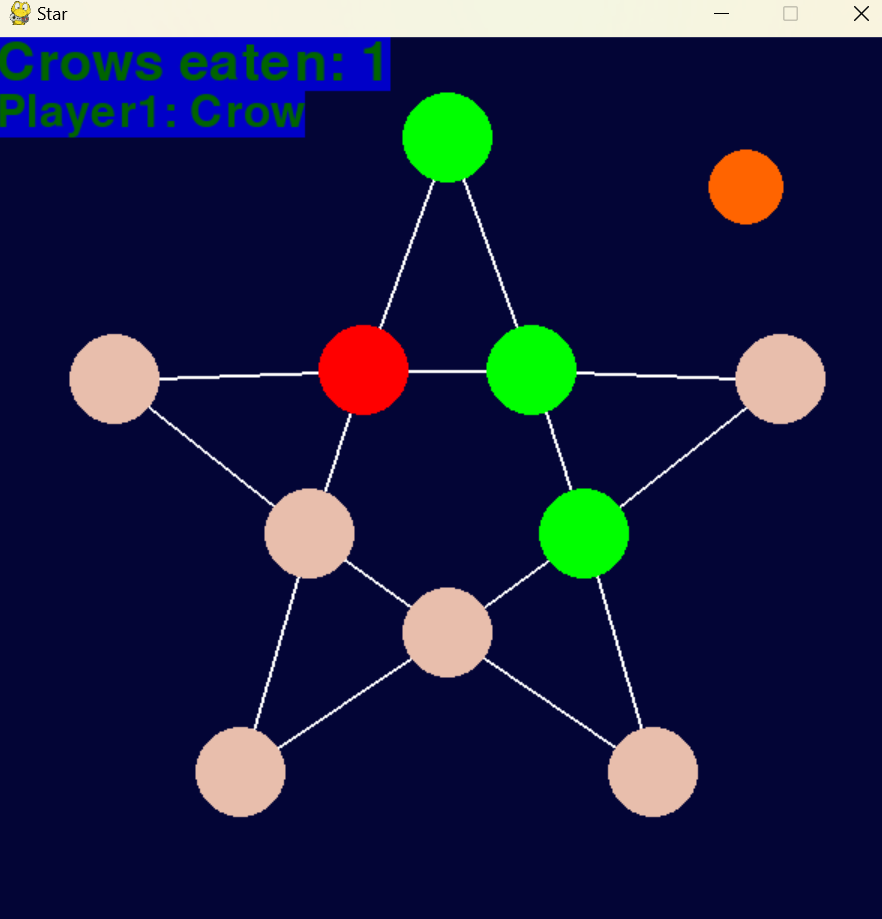
Ensured restrictions to follow rule like: if there exits crow eating possibility then eagle cant make adjacent movements

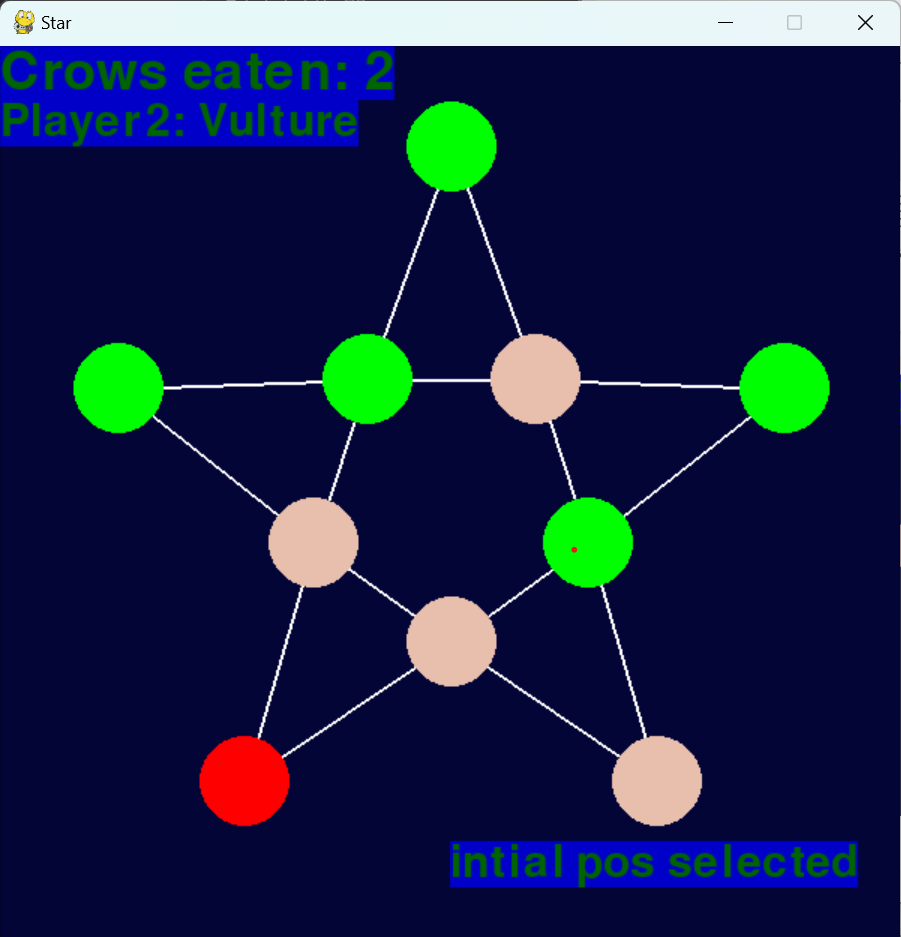
Code- make sure's colours of Vulture (RED) , CROWS (GREEN) have correct color switching ,and invalid moves not happening

OUTER DOT vanishes once all 7 crows have taken and becomes unresponsive (had ind=-1) Pseudo dot

Unoccupied Dots have SKIN color

CLOSING: close game window gui to exit game gracefully





NOTE:

->When Dot to move is selected: prints "initial pos selected" then select 2nd dot position to move

->if mistakenly selected first dot, reselect any dot to flush incorrect request

A screenshot of a computer program

Description automatically generated