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## Asgn 1 DESIGN. pat

Description of Program:

This program creates a simple game in which at least 2 and at most 10 players roll a pig shaped die. The pig can land in 5 unique positions, with 2 positions being repeated for a total of 7 positions. Each player starts with 0 points, and continues rolling the pig until it lands on one of its sides. Each position of the pig corresponds to a certain number of points, the Sides are 0 points and end the turn, Pazorbach and Trotter earn 10 points, Snowler earns 15 points, and both Jowlers earn 5 points. The first player to reach 100 or more points was.

Files in directory "asgn 1":

1 pig.c

This is the file that contains main() and most of the code that lets the gave run.

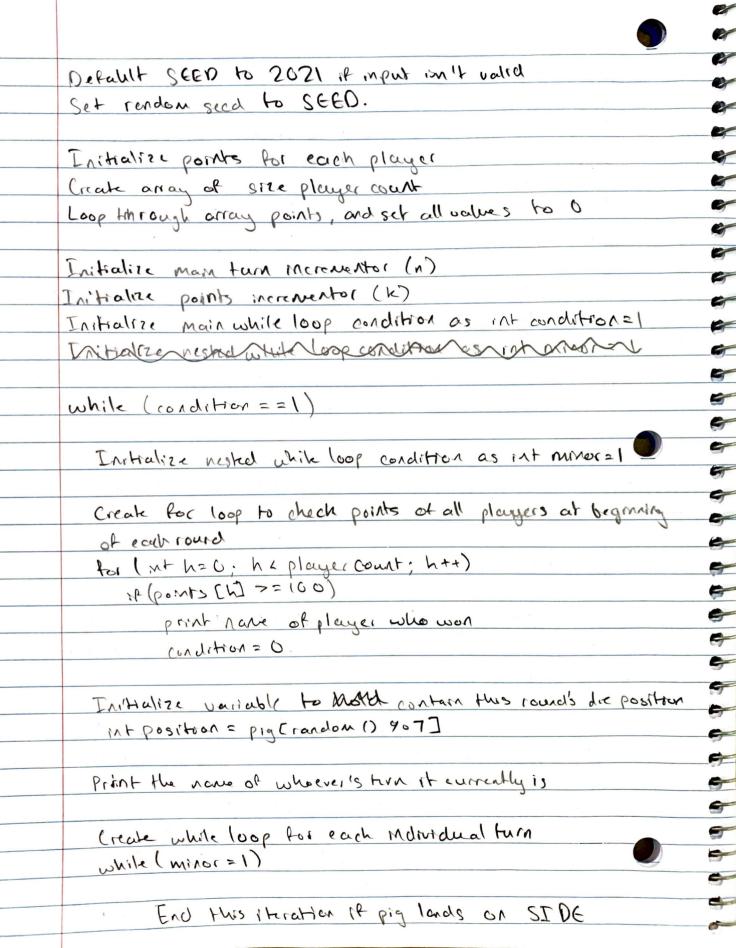
(2) names.h

This is the header file that contains the ten player names. The names aren't randomized, so names[2] is always John.

(3) Makefile

Tile that formats code into clong format and compiles pige on to an executable called pige

## README. md File that describes how to make and run the program any known errors, and problems that were encountered while making it. @ DESIGN.Pdf Describes how to code the program with prudocode Pseudoroide: Asis me inde management of include names. h this contains the names of the players include stdio.h These contain various functions and values needed throughout indude stallib.h include limits. h my program. Man: initialize pig die array & SIDE, RAZORBACK, FROTTER, SNOUTER, JOWLER, TOWLER 3 mittalize player count to 0: Find number of players by asking for user input check if user input is valid (input is integer, and is between 2 and 10 inclusive) S'et player count = 2 if input isn't valid In:Halize unsigned integer SEED Askuser to input SEED Value Check if SEED is valid (Is positive, unsigned, is a number)



If (position == pig[6] or position == pig[1]) print roll outcome mino1 = 0 else if (position == pig[2] or position == pig[3]) add appropriate amount of points to points[R] print roll outcome print point value of this roll. else it (position == pig[4]) points Ck] = points (k] + 15 print roll outcome print point value of this roll else it (position == pig [5] or position == pig [6]) points [R] = points [R] +5 print roll out come PHAT point value of this roll It this iteration of the while loop ends morevent n by 1 morement k by 1 Restart the loop until a player's points are >= 100.

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