

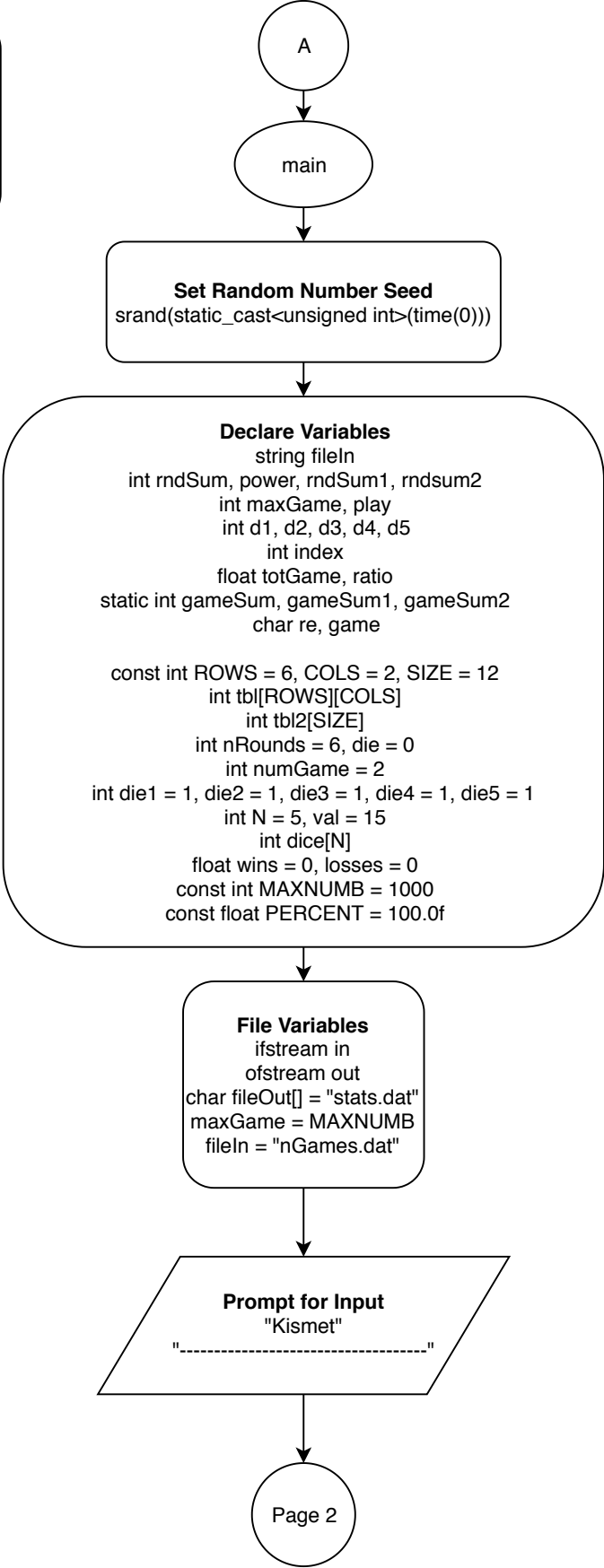
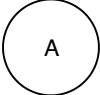
**Author:** Gabriella Ciacchella  
**Created on** July 26, 2019, 10:56 PM  
**Purpose:** Create the dice game Kismet

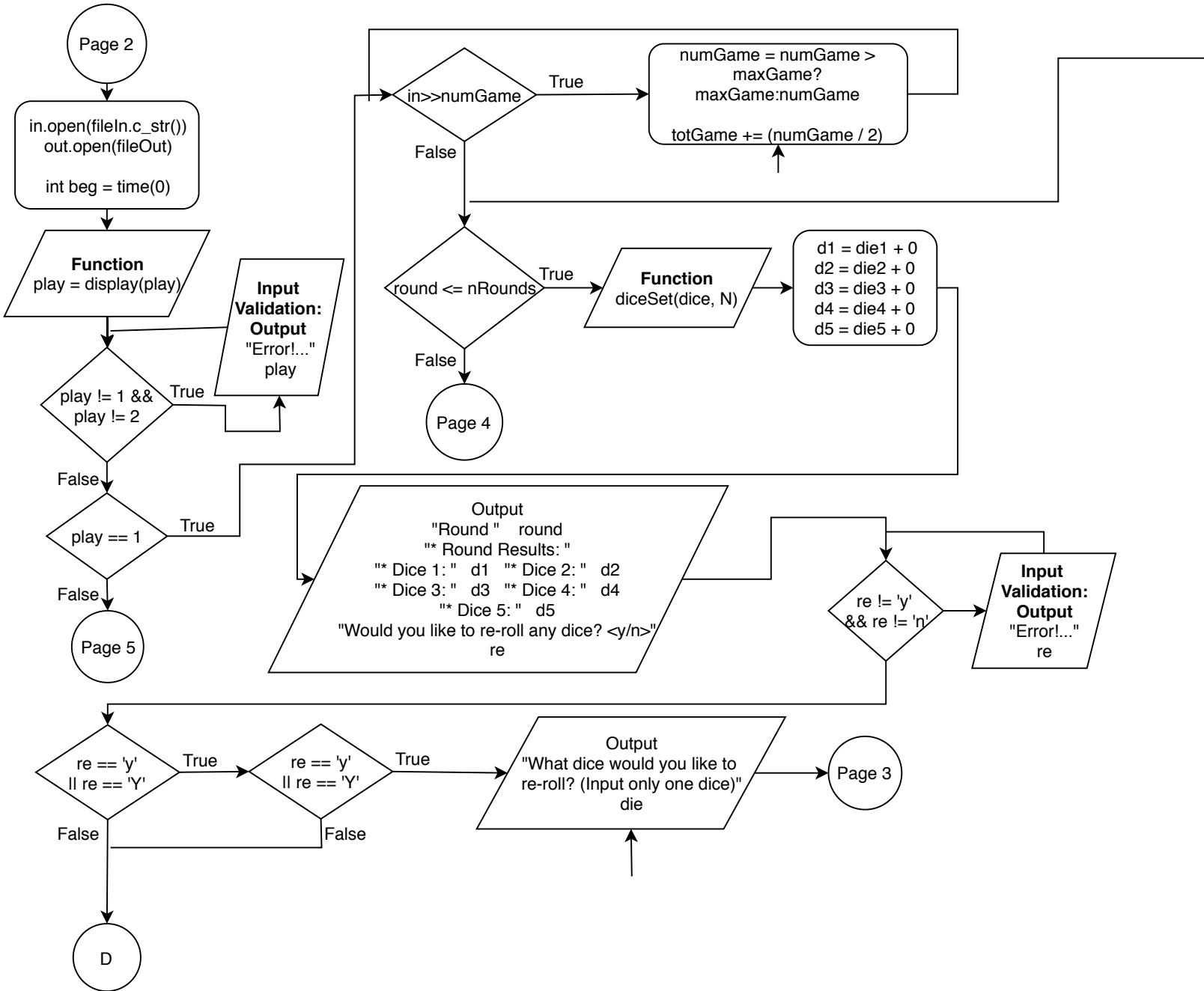
**System Libraries**  
I/O Objects  
Srand to set the seed  
I/O Format  
file I/O  
string library  
math library  
Standard Namespace

**User Libraries**  
none

**Global Constants**  
none

**Function Prototypes**  
int display(int)  
void whoWon(int, int)  
void diceSet(int[], int)  
void prntTbl(int[], int)  
void bublSrt(int[], int)  
bool binSrch(int[], int, int, int &)

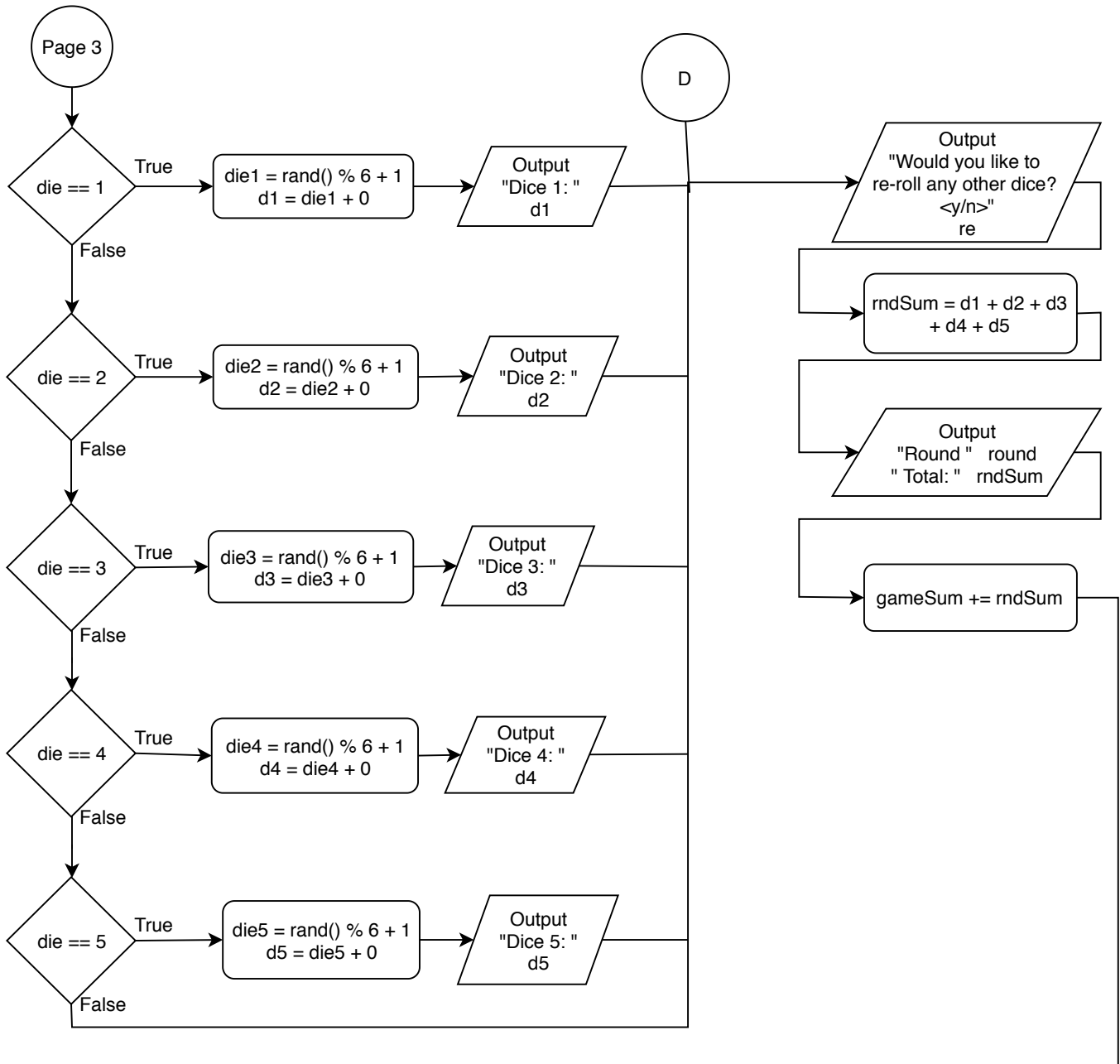


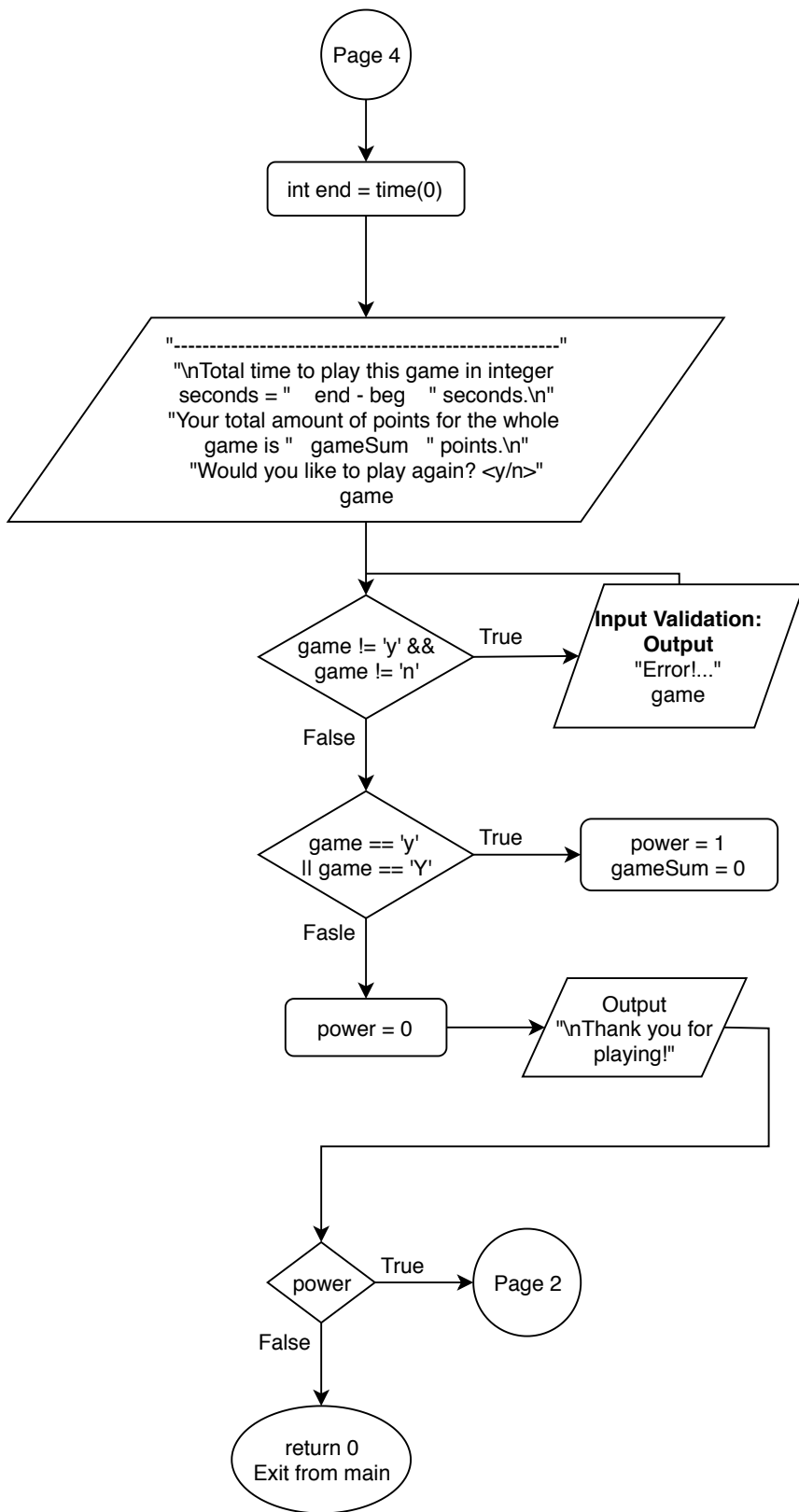


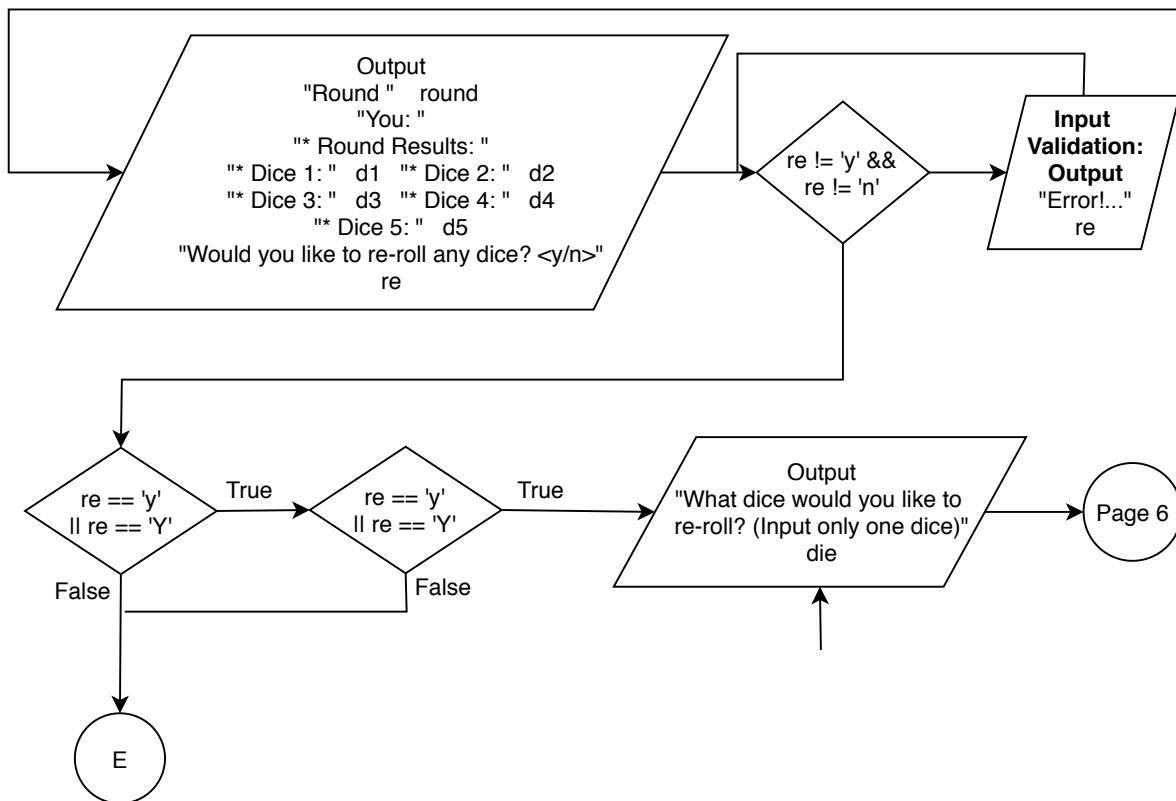
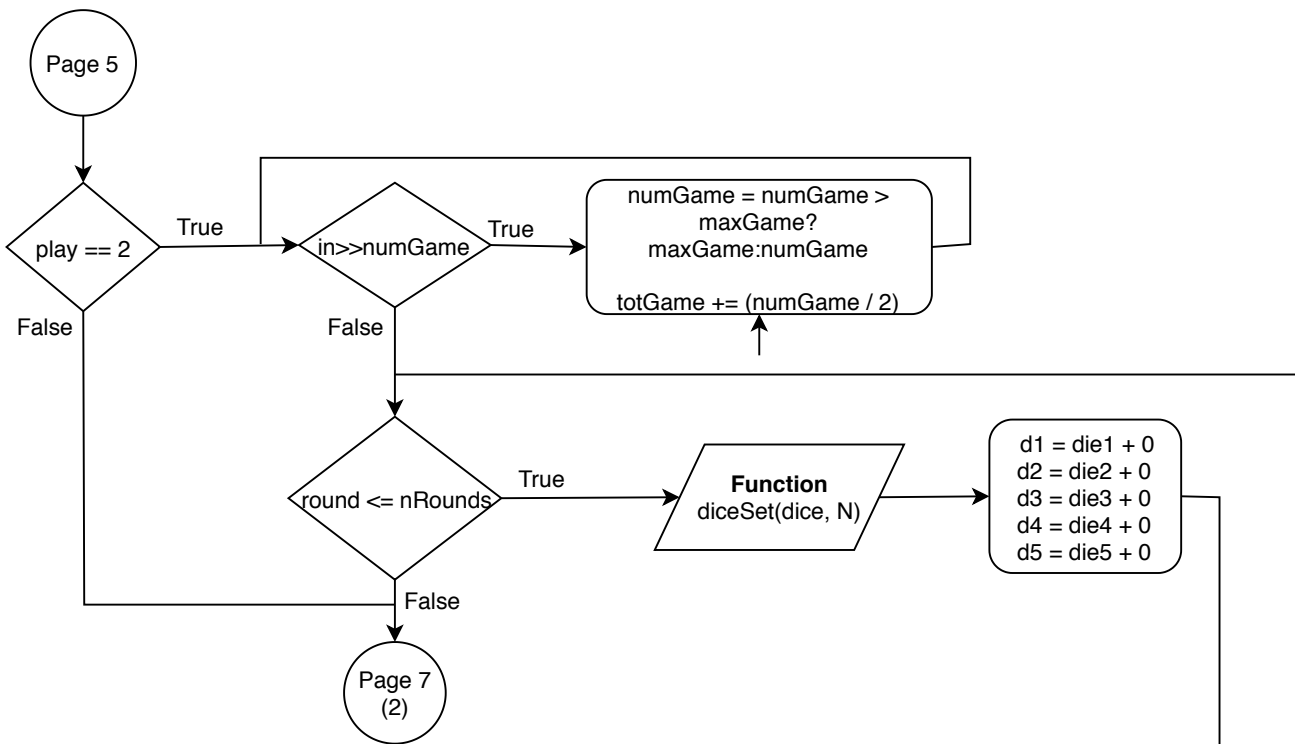
round++

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D

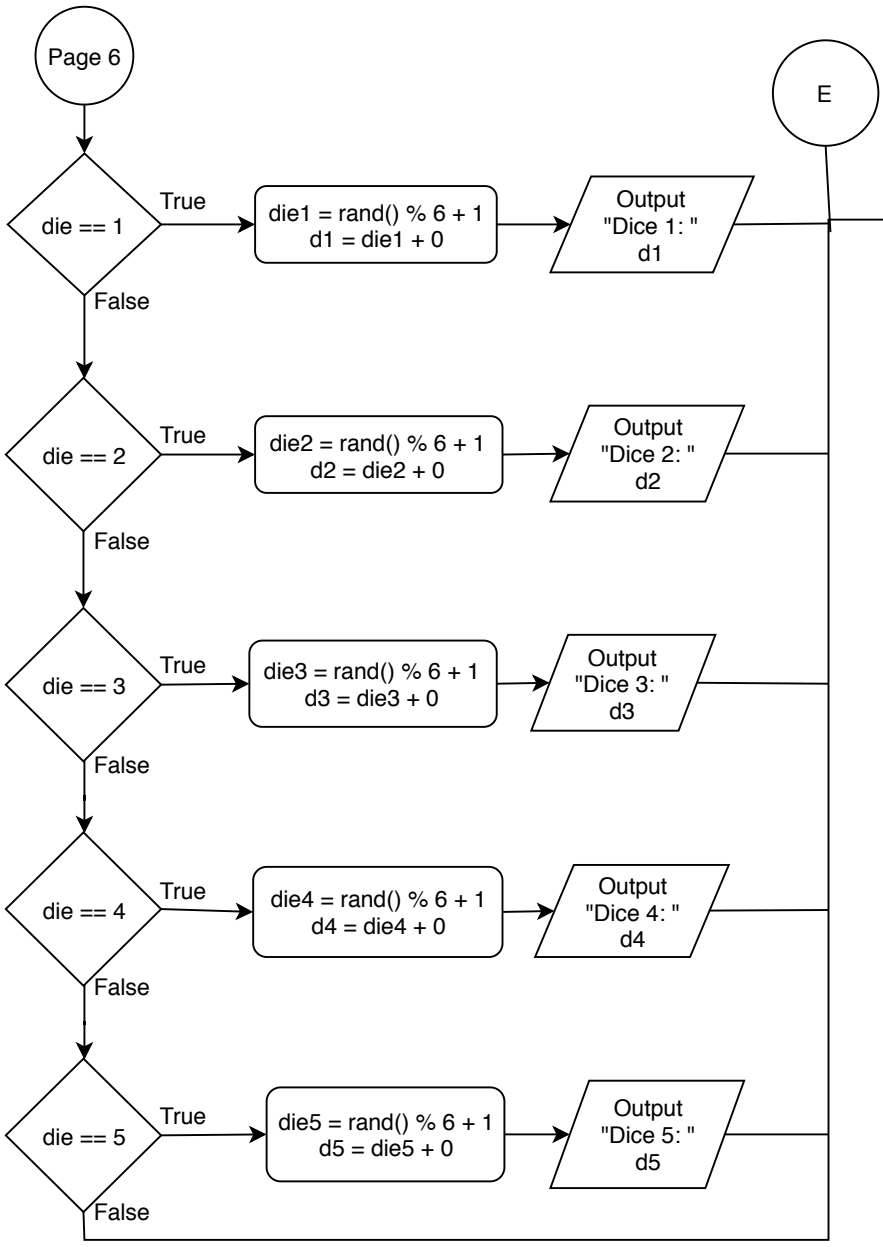




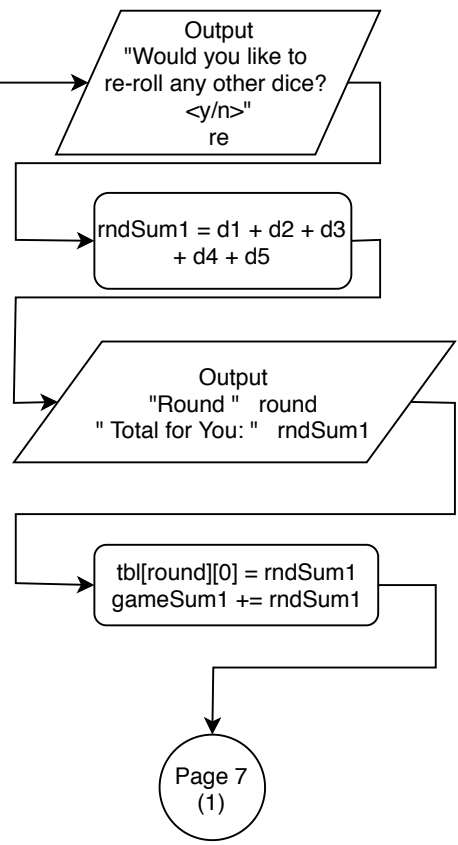


round++

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E



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(1)

**Function**  
diceSet(dice, N)

d1 = die1 + 0  
d2 = die2 + 0  
d3 = die3 + 0  
d4 = die4 + 0  
d5 = die5 + 0

Output  
"Round " round  
"Computer: "  
"\* Round Results: "  
"\* Dice 1: " d1 "\* Dice 2: " d2  
"\* Dice 3: " d3 "\* Dice 4: " d4  
"\* Dice 5: " d5

rndSum2 = d1 + d2 + d3  
+ d4 + d5

Output  
"Round " round  
" Total for Computer: " rndSum2

tbl[round][1] = rndSum2  
gameSum2 += rndSum2

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(2)

int end = time(0)

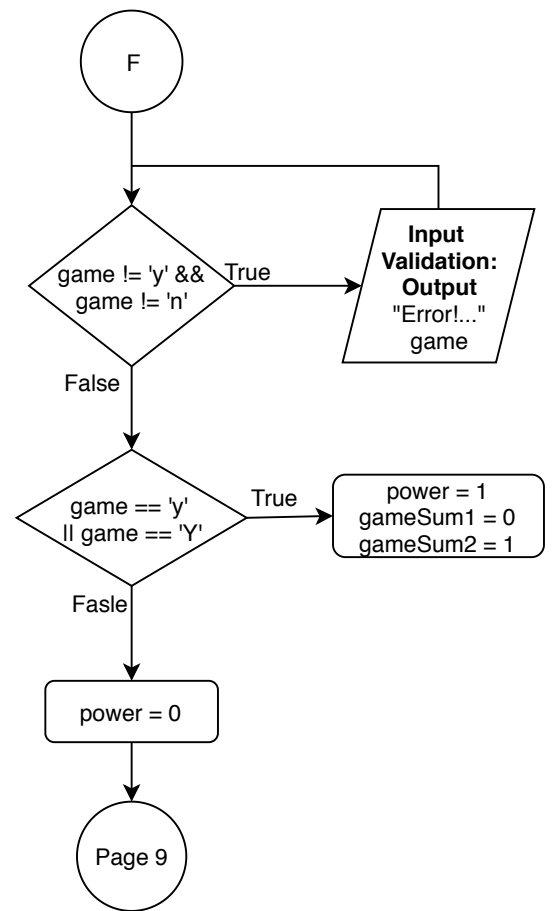
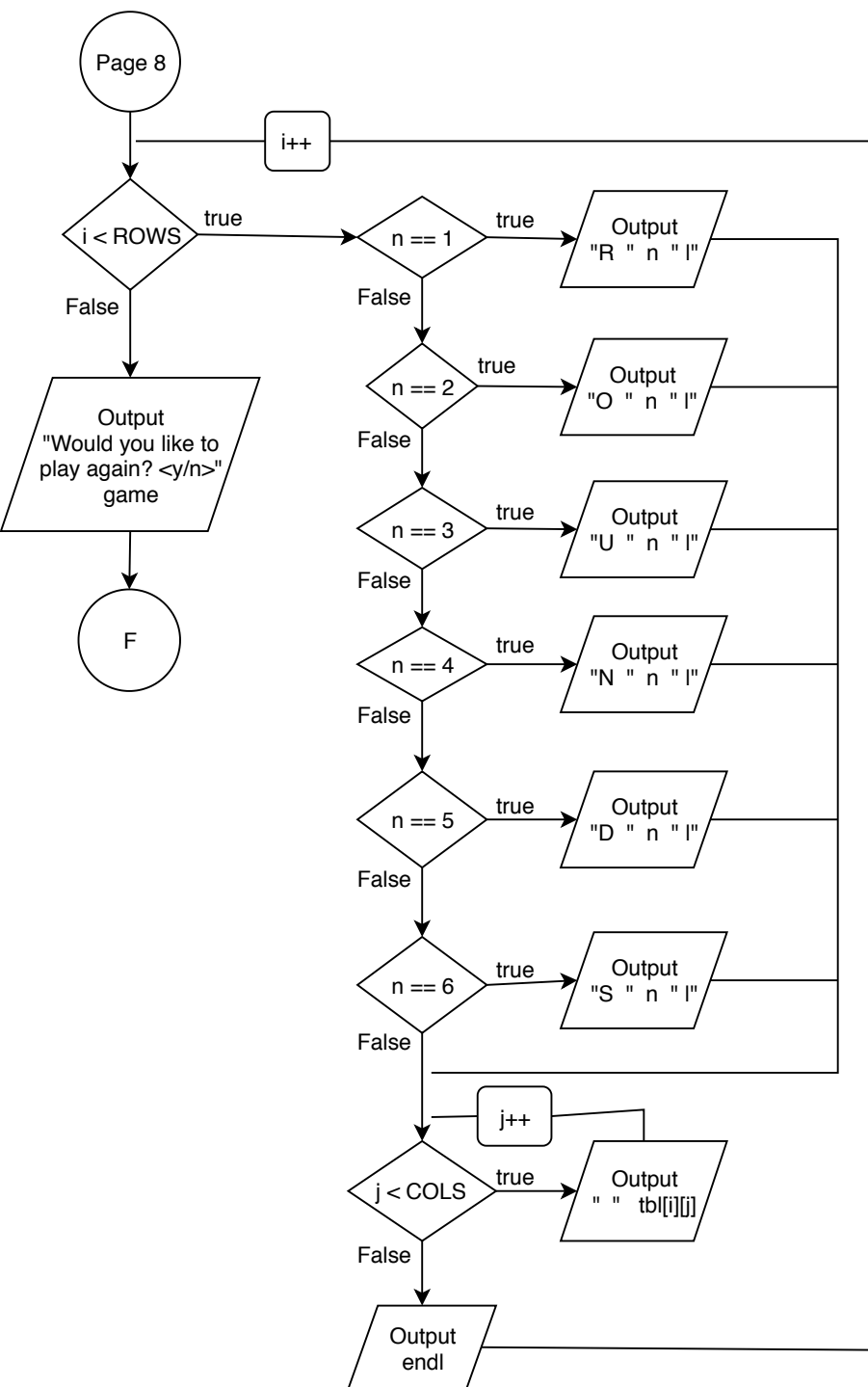
"-----"  
"\nTotal time to play this game in integer  
seconds = " end - beg " seconds.\n"  
"You: Total points of the game = "  
"Computer: Total points of the game = "

**Function**  
whoWon(gameSum1,  
gameSum2)

int n = 1

Output  
"\nHere is a table displaying  
the round totals\n"  
" | You Computer\n"  
"-----\n"

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```

"\n-----\n"
"Number of Games Played = " totGame
"Your Wins: " wins "Your Losses: " losses
showpoint setprecision(1) fixed
"The percentage of wins = "
static_cast<float>(wins) / totGame * PERCENT "%"
"The percentage of losses = "
static_cast<float>(losses) / totGame * PERCENT "%"
"\nRatio of longest to shorter game: "
log10(end - beg)

```

int n = 0

i &lt; ROWS

False

j++

J &lt; COLS

False

i++

```

tbl2[n] = tbl[i][j]
n++

```

**Functions**

```

bublSrt(tbl2, SIZE)
prntTbl(tbl2, SIZE)
binSrch(tbl2, SIZE, val, index)

```

tbl2[index] == 15

False

```

Output
val ", half of the max
points you could get,
was found in index "
index ".\n"

```

tbl2[index] != 15

False

```

Output
"15, half of the max
points you could get,
is not in the round totals.\n"

```

```

Output
"\nThank you for
playing!"

```

totGame = 1

```

Output to File
"Play against computer: \n"
"Total time to play this game in integer
seconds = " end - beg " seconds.\n"
"You: Total amount of points for the whole
game is " gameSum1 " points.\n"
"Computer: Total amount of points for the
whole game is " gameSum2 " points.\n"
"Your Wins: "<<wins
"Your Losses: " losses
"Number of Games Played = " totGame

```

power

True

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False

```

in.close()
out.close()

```

```

return 0
Exit from main

```

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