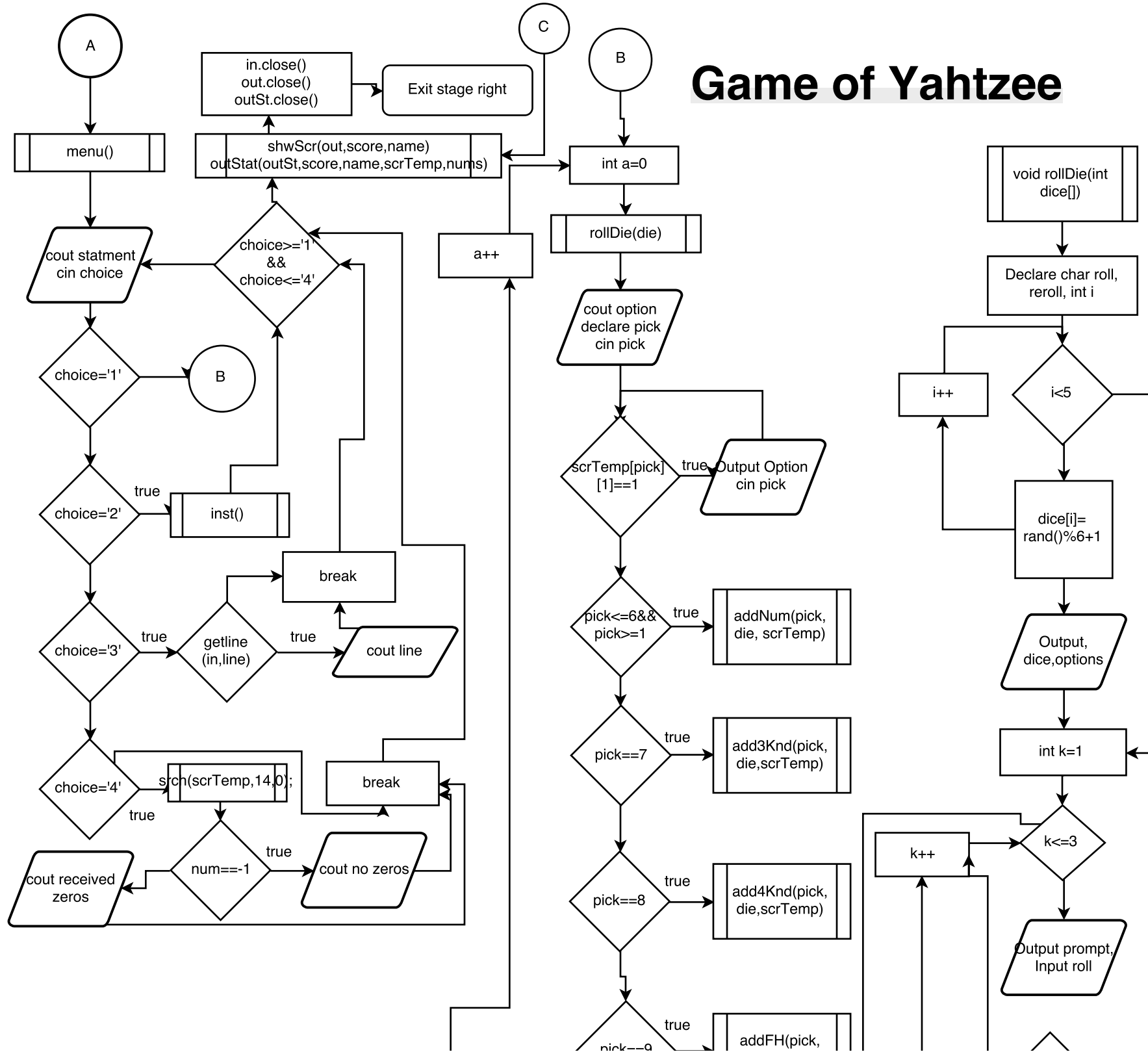


```

graph TD
    A((A)) --> B[Veronica Walton  
06/03/2017  
Yahtzee]
    B --> C[Libraries  
iostream  
cstdlib  
ctime  
iomanip  
fstream  
string  
vector]
    C --> D[Global Constants  
const int COLS=2]
    D --> E[Function Prototypes  
void menu, void inst,  
int shwScr, void shwScr,  
void outStat, void rollDie,  
void addNum, void add3Knd,  
void add4Knd, void addFH,  
void addSmlS, void addLrgs,  
void addChn, void addYhtz,  
int srchLst]
    E --> F(Main Game of Yahtzee)
    F --> G[Set random number seed with time]
    G --> H[Declare  
char choice, int die[5], scrTemp[14]  
COLS], chance, score=0, float pscore, vector<int> nums,  
ifstream in, ofstream out, outSt,  
string name, line]

```



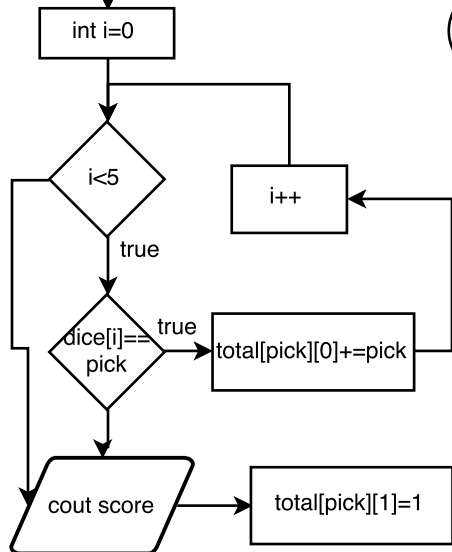
```
void menu(void)
```

Output menu options

```
int shwScr(int score,int total[][COLS])
```

score=(addition of first row in 2D array)
return score

```
void addNum(int pick,int dice[],int total[][COLS])
```



```
void inst(void)
```

Output instructions

```
void shwScr(ofstream &out,int score,string name)
```

Out to file name and score

```
outStat(ofstream &out,int score,string name,int total[][COLS],vector<int> vect)
```

Output heading

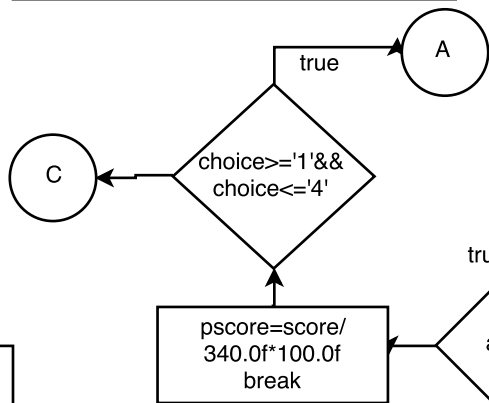
```
int a=0
```

```
a<14
```

Output category

```
a++
```

```
vect[a] total[a][0]
```



```
a<13
```

```
score=shwScr(score,scrTemp)
```

```
pick==10
```

```
addSmIS(pick, die,scrTemp)
```

```
pick==11
```

```
addLrgS(pick, die,scrTemp)
```

```
pick==12
```

```
addChn(pick, die,scrTemp)
```

```
pick==13
```

```
addYhtz(pick, die,scrTemp)
```

```
pick<11 || pick>13
```

Output error input pick

```
pick<=13 && pick>=1
```

