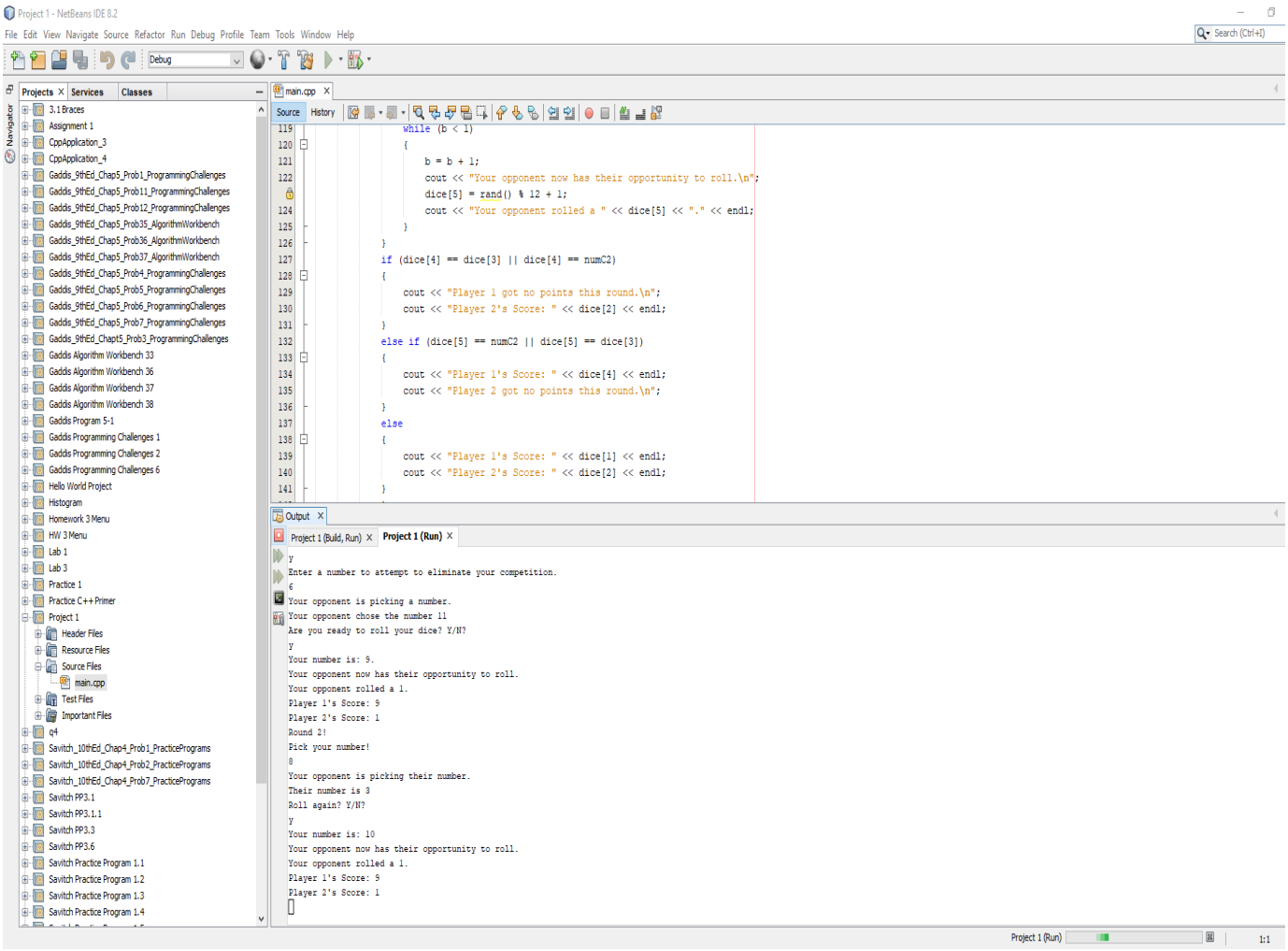
Project 1

217 LINES

Zachary Romero | CIS - 5 | 07 November, 2018



The Game

The game I decided to try and make is called “Knock Out”. A relatively easy looking game to replicate considering it is designed to make children do simple arithmetic.

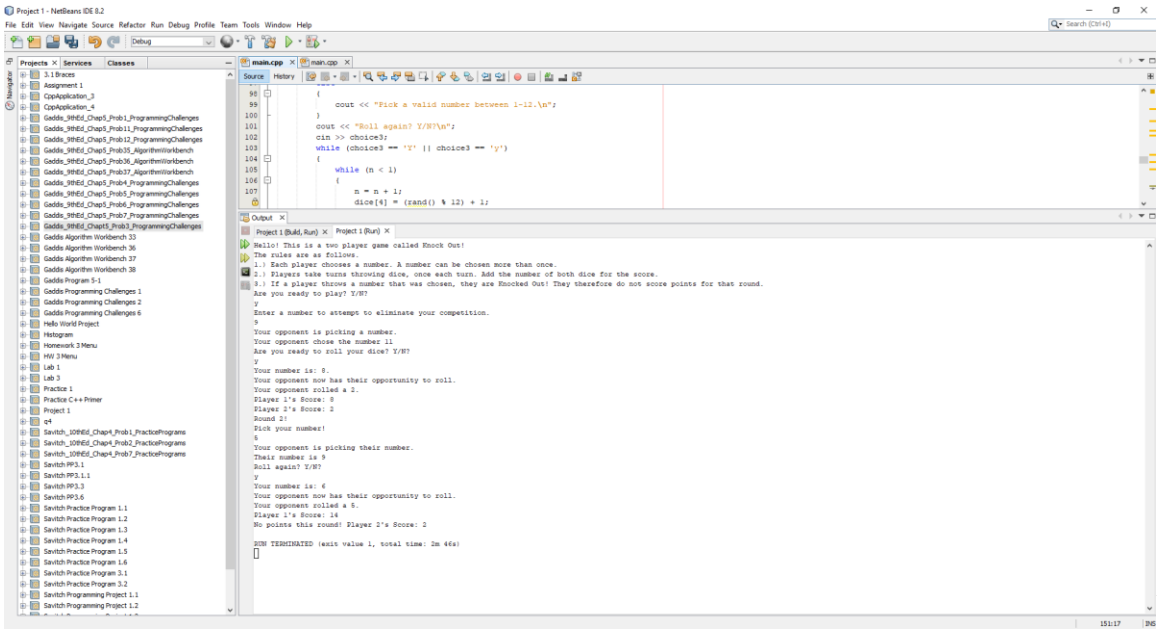
- The game is played with two dice.
- Players call out which numbers will be considered “Knock Out” numbers for that round. If anyone rolls those numbers with the given dice, they are knocked out for the round, they get no points.
- Whoever has the most amount of points after a few rounds wins, there was no given round limit from the rules that I looked up.

THE PROCESS

This game was (in concept) a very easy thing to code, as long as I figured out how to roll some dice, have a scoring system that was accurate to each game, and knew how to write code that knew when knock out numbers equaled rolled numbers. Over the course of about a week I realized that I didn’t know how to do most of those things, if statements, if else statements, while statements, do-while statements sure I knew those but they only take you so far.

I was determined to make some of what the game required work so I kept at it for a few days. My project really isn’t at where I thought it would be when turning it in, it really seemed quite simple at first. It’s a simple game but it turned out to be so much more, I definitely have learned a lot and want to improve it more, although I do recognize that the game might be too simple to really improve it all that much.

I did want to make it a bit more interactive like a video game rather than just simulating real life dice throwing. I thought asking the player to continue and if they wanted to roll would make the dice throwing a little more interesting.



Cross Reference for Project 1

You are to fill-in with where located in code

Chapter	Section	Topic	Where Line #"s	Pts	Notes
2	2	cout			
	3	libraries	8-11		iostream, iomanip, cmath, cstdlib, fstream, string, ctime
	8				
	4	variables/literals			No variables in global area, failed project!
	5	Identifiers			
	6	Integers	17-20		3
	7	Characters	23	3	
	8	Strings		3	
	9	Floats No Doubles		3	Using doubles will fail the project, floats OK!
	10	Bools		4	
	11	Sizeof *****			
	12	Variables 7 characters or less			All variables <= 7 characters
	13	Scope ***** No Global Variables			
	14	Arithmetic operators			
	15	Comments 20%+	8-11, 17-22, 32, 36		5 Model as pseudo code
	16	Named Constants			All Local, only Conversions/Physics/Math in Global area
	17	Programming Style ***** Emulate			Emulate style in book/in class repositiory
3	1	cin			
	2	Math Expression			
	3	Mixing data types ****			
	4	Overflow/Underflow ****			
	5	Type Casting		4	
	6	Multiple assignment *****			
	7	Formatting output		4	
	8	Strings		3	
	9	Math Library		4	All libraries included have to be used
	10	Hand tracing ******			
4	1	Relational Operators			
	2	if	4		Independent if
	4	If-else	196-207		4
	5	Nesting		4	
	6	If-else-if	36-49, 67-85		4
	7	Flags *****			
	8	Logical operators		4	
	11	Validating user input		4	
	13	Conditional Operator		4	
	14	Switch		4	
5	1	Increment/Decrement		4	
	2	While	38-44, 52-102		4
102					
	5	Do-while		4	
	6	For loop		4	
	11	Files Input/output both		8	
	12	No breaks in loops ******			Failed Project if included
****** Not required to show			Total	100	