# Technical Challenge:

An online casino has three games on offer:

* Poker
* Roulette
* Blackjack

An “ante” (also known as a blind) is a fixed amount of money that must be played to enter a game.

Each game of Poker has a £2 ante and each game of Blackjack has a £1 ante and £0 for Roulette. The given wager amounts do not include the antes that the players have paid.

You are tasked with implementing a small program that calculates the casino’s profit from each player in a given set of data and then displays a list of player\_Ids for the top 10% most profitable.

The program should ingest the input data from a csv file with the following structure:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| id | player\_id | type | amount | game\_name |
| 1 | 5000 | bet | 178.64 | poker |
| 2 | 52364 | bet | 441.49 | poker |
| 3 | 75698413 | bet | 325.18 | poker |
| 4 | 8642198 | bet | 400.05 | blackjack |
| 5 | 5000 | win | 239.56 | roulette |
| 6 | 2356984 | bet | 327.09 | roulette |
| 7 | 9413831 | win | 33.38 | blackjack |
| 8 | 5000 | bet | 136.86 | poker |
| 9 | 32659745 | win | 17.95 | blackjack |
| 10 | 52364 | win | 498.98 | roulette |

## Uploading the solution

When you finished implementing the solution please upload the source code and the executable to the shared folder provided to you by email.