

Shashank's Adventure Game

IN MEMORY OF OUR DEAR FRIEND,
COMP 215's ADVENTURE GAME
AND MY FISH THAT DISAPPEARED OVER WINTER BREAK

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Tested by a bunch of people, thank you for the feedback*

Mojola's Request:
Please write and sign the honor code:

Example Solved Puzzle

The **Seat of Government**

*THIS IS PUZZLE IS GOING TO BE GREAT! That's right. **Capital** letters.*

- B Original nation of Siamese cats, **Bangkok, Thailand**
E This territory was originally known as the Islands of Refreshment, **Edinburgh, Tristan de Cunha**
S This is the smallest and most densely populated one in Central America, **San Salvador, El Salvador**
T Only landlocked country surrounded completely by landlocked countries not in Europe, **Tashkent, Uzbekistan**
- C Was Muhammad Ali's domain, **Cairo, Egypt**
O Origin of the paper clip, **Oslo, Norway**
L Treaty of Tordesillas gave them the Eastern half, **Lisbon, Portugal**
L Leon M'ba was the first president, **Libreville, Gabon**
E Territory on Cyprus used for signals intelligence, **Episkopi Cantonment, Akrotiri and Dhekelia**
G Nahuatl word for place of many trees **Guatemala City, Guatemala**
E Partially recognized, is it part of Morocco? **EI Aioun, Sahrawi Arab Democratic Republic**

Answer: Wiess

Rules:

- There are 7 puzzles for you to solve. Each puzzle stands alone and can be solved independently of the other puzzles.
- The answer to each puzzle is a single word (or phrase).
- Open internet! Please use search engines!
- Submit answers as teams on the provided website.
- Teams are 2 - 4 people
- Everything on the page is a hint!
- Indexes for arrays and matrices start from 1!
- Have fun!

Tips:

1. Think about how numbers become letters and letters become numbers!
2. There are a lot of ways how objects can be represented as numbers, and numbers be represented as letters!
3. Remember, $A[2,1]$ means row 2, column 1 of matrix A.
4. Don't forget about indices! Strings are just arrays of characters, after all.
5. Hints are everywhere! Reread the question!

Mendeleev's Number Game

You've encountered a door and you need a password to get through in Shashank's Adventure Game. Can you piece together this puzzle of atomic proportions?

Runs from Lancaster, Minnesota to Laredo, Texas

$$3e^{\ln(33)} + \int_{-1}^1 \sqrt{(1-x^2)} - \int_0^{\infty} \frac{\sin(x)}{x}$$

This season includes what I believe is the most iconic episode of the show, in which a manager fails to keep his promise to a group of high-schoolers to give them all scholarships to college.

The only integer that can be written as $m^n = n^m$ where m and n are integers and not equal

Spoiler Alert: In this book of the series, Dumbledore dies

The tale of a British soldier separated from his fellows during a Belfast Riot at the height of the Troubles

V

Choose Your Own Adventure!

You've been playing Shashank's adventure game, and you get to two doors. There are three men standing in front of the doors, and from the wise man you met earlier, you know that one man speaks only the truth, the other speaks only lies, and the other is unreliable, he speaks both truths and falsehoods.

As you approach them, you overhear their conversation.

Curiously, a proverb the wise man said rings in your head: "Always take the first word of the truthful, and the last word of the cheat. And those who waver, ignore them, for they will always lead you astray."

Muthu: Where can I find good sandwiches these days?

Luis: Generally, you can't find sandwiches. Bread is no longer popular. No one can say it is!

Mojola: Of course, the popularity of bread is quite low. Who eats bread? No one does.

Muthu: The popularity of cereal is not low. I saw ten birds eating cereal yesterday! What a week.

Mojola: When? In your dreams? Cereal cannot be popular. No one eats it, no one of class.

Luis: Well, cereal is not bread. Bread consists of a thick consistency. Cereal does not.

Mojola: Computationally speaking, how does that matter? If cereal and bread derive from the same source, then, they must be the same. My friend, just apply a little logic and algorithms.

Muthu: Thinking goes a long way these days. Bread and cereal are absolutely different. Some common sense will resolve the matter. Again, try using those skills of thinking.

Luis: Let us consider for a moment that hot dogs are not considered to be sandwiches. In the same vein of rational belief, I think we can reasonably conclude the independence of cereal. What a fantastically popular grain cereal is! Hear the voice of the people!

Mojola: Currently? Preposterous! You are completely out of your mind and incoherent. What a horrible liar you are, Luis. Only falsehoods spew from your mouth! How are you like this? I don't know what it takes.

Muthu: Place your words carefully, my friend. Perhaps you should inspect where your own thoughts occur.

The Final Project: The First Digit Will Scramble Your Senses!

Shashank's Adventure Game wasn't his toughest challenge. There are a quite a few other obstacles that he's cataloged during the course of his time here!

IOTPTS

APHCAPT

LCAMOL

TEAONYRULIVO ETSER

EWRTNOK CLENRISEEI

CTKSO DRPITOCNIE

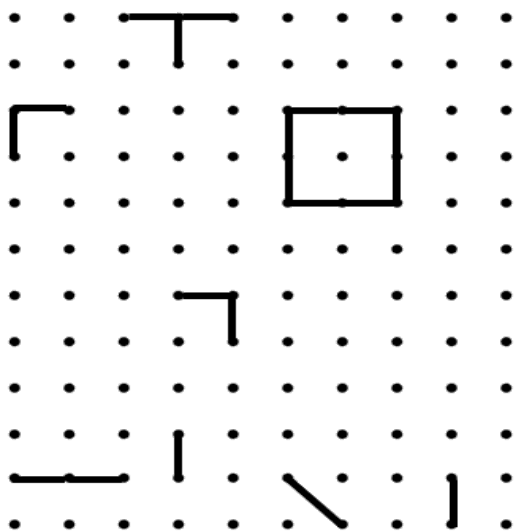
BLOLALDWR

GMNAAHN

RPTTYE RESPTICU

Playing through Shashank's Adventure game, you come across the following maze. You obtained this list of clues from a small goblin who kept chanting "The dots, the dates, the dates the dots!" Can you merge these clues to find the exit?

Under pressure from the Japanese, Sihanouk made it happen (Up, Right, Left, Left)



The Final Destination

You've finally made it. You face the final boss of Shashank's adventure game. However, you realize that you'll be smashed if you face them alone. You still have the "Phone a Friend" item to summon a challenger that will help you. You need to make a good choice, and you look around the room, the Hall of Bosses, which displays a ROSTER of heinous villains. It looks like Shashank's left you some hints! Who do you call?

- (a) Banana Hoard thief
- (b) Sometimes a boar, sometimes a man, always hatred and malice reborn
- (c) This space pirate killed the parents of his greatest enemy
- (d) When he's not ruling his kingdom, he's kidnapping princesses
- (e) Hired by an evil mad scientist during the Lylat Wars

$\lfloor (c * e + a * b) / (\text{RELEASE YEAR}) \rfloor + d$

~~Don't be evil~~ Do the right thing

It was only this year Shashank perfected the text of his adventure game. Recently, some years ago, some of these other companies found their own voice.



[3][1]



[1][3]



[1]

Alphabet

[1][4]



[3][1]



[1][4]



TACO
BELL®

[1][4]



mazda

[4]

Will You Join Me On The Rift?

Shashank isn't too familiar with the ABCs of game design, so when he made his Adventure Game, he shifted around some pieces from existing games. One of these games is League of Legends.

*Shashank's in the middle of a game, and he's playing **Garen**. He has **700 gold**, but he doesn't know what to buy. He looked up some pro-builds and noticed that they bought the following items for the following characters. What items should Shashank buy?*

Wayne (500 Gold): Luden's Echo, Seraph's Embrace, Ravenous Hydra, Quicksilver Sash, Morellonomicon

Jax (0 Gold): Morellonomicon, Luden's Echo, Duskblade of Draktharr

Lux (1000 Gold): Frozen Heart, Skirmisher's Sabre, Oracle Lens

Zed (600 Gold): Seraph's Embrace, Ionian Boots of Lucidity, Morellonomicon

Ashe (1200 Gold): Haunting Guise, Skirmisher's Sabre, Void Staff, Dead Man's Plate

Pyke: (1200 Gold): Rabadon's Deathcap, Ionian Boots of Lucidity, Randuin's Omen, Dead Man's Plate

Vi: (100 Gold): Randuin's Omen, Morellonomicon

Nasus (200 Gold):

Youmuu's Ghostblade, Blade of the Ruined King, Needlessly Large Rod, Randuin's Omen, Needlessly Large Rod

Items to Purchase:

Luden's Echo	Rabadon's Deathcap	Blade of the Ruined King	Ravenous Hydra	Skirmisher's Sabre	Seraph's Embrace	Trinity Force	Oracle Lens	Hextech Gunblade
Morellonomicon	Ionian Boots of Lucidity	Amplifying Tome	Haunting Guise	Zhonya's Hourglass	Elixir of Wrath	Youmuu's Ghostblade	Dead Man's Plate	Guardian Angel
Quicksilver Sash	Void Staff	Needlessly Large Rod	Frozen Heart	Randuin's Omen	Duskblade of Draktharr	Refillable Potion	Mercury's Treads	