

# Placement Enhancement Program

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## Assignment

### 1. What is Human brain's capacity

The human brain's memory capacity is often compared to digital storage. Estimates suggest it could hold around 2.5 petabytes (1 petabyte = 1 million gigabytes) of information. This estimate comes from the assumption that the brain's 86 billion neurons, each connected to thousands of other neurons, form a vast network capable of storing immense amounts of data.

Understanding the brain's capacity involves exploring both its immense potential and the biological constraints that shape human cognition and memory.

### 2. Find Your mental Age by giving IQ test

Your Mental age is 25-29

Mentally, you're young, wild, and free. Invited to that new restaurant downtown? You'll be there. Spontaneous plans to go to a music festival? You're in. You love to experience new things and take advantage of all life has to offer.

Sometimes your life can feel a little directionless, but you mostly don't mind. You're too busy **enjoying yourself! Living in the moment** and not worrying too much about the future is your life mantra, and you do it better than most.

Nothing sounds better to you than a fun night out dancing, a delicious brunch at your favorite spot, or staying up until dawn having hilarious/existential convos with your friends. You truly are the life of any party, and people love you for it.

### 3. Find 5 mnemonic

Mnemonics are useful tools to help remember information. Here are five popular mnemonics:

1. **PEMDAS** (Order of Operations in Mathematics):

- Parentheses
- Exponents
- **M**ultiplication
- Division
- Addition
- Subtraction
- Mnemonic Sentence: "**P**lease **E**xcuse **M**y **D**ear **A**unt **S**ally"

2. **ROYGBIV** (Colors of the Rainbow):

- Red
- Orange
- Yellow
- **G**reen
- Blue
- Indigo
- Violet
- Mnemonic Sentence: "**R**ichard **O**f **Y**ork **G**ave **B**attle **I**n **V**ain"

3. **HOMES** (Great Lakes of North America):

- Huron
- Ontario
- **M**ichigan
- Erie
- Superior

4. **FACE** (Notes in the Spaces of the Treble Clef in Music):

- F
- A
- C
- E

5. **My Very Educated Mother Just Served Us Nachos** (Order of the Planets from the Sun):

- **M**ercury
- Venus
- Earth
- **M**ars
- Jupiter
- Saturn
- Uranus
- **N**eptune

These mnemonics provide simple and memorable ways to recall complex sets of information.