

Instructions:

- Solve the following question by yourself. Please avoid using GPT or any similar tool to generate the answer, as this will make it difficult to develop your own logic. You may not be able to create a logical solution for a program that isn't available on the internet, and tools like GPT can't generate code for you. So, be honest with yourself and complete the exercises below independently. If you need help, feel free to ask your teacher
- Before writing any program, take a piece of paper and write on it, when you understand the logic then implement on code editor
- Don't leave any question unanswered, attempt the question as much as you understand.
- Don't share the code with your classmates

Q:1) Use 3 prompts to ask the user for their country, city, and area. If they are in "Pakistan, Karachi and Defence" display "Welcome." If not, display "Invalid area".

i.e

User types Country: Australia, City: Sydney, Area: Maskae
Then display 'invalid area'.

User types Country: Pakistan, City: Islamabad, Area: Defence
Then display 'invalid area'.

User types Country: Pakistan, City: Karachi, Area: Defence
Then display 'Welcome'.

Q:2) Create a JavaScript program using a prompt to ask the user if they prefer tea or coffee, if they prefer coffee display msg 'here is your coffee', if they prefer tea display msg 'here is your tea', and if they write anything else display 'something went wrong'.

Users can choose tea or coffee in any case format (uppercase or lowercase) like TEA, TeA, tEa, coFfEe, CoFfee etc.

i.e

User types: coffee or coFfee
Then display 'here is your coffee'

User types: Tea or tEa
Then display 'here is your tea'

User types: water, aa, af
Then display 'Something went wrong'

Q:3) Develop a JavaScript program using a prompt to ask the user if they have a membership (Yes / No) and if they are a student (Yes / No). If at least one condition is true, display "You qualify for a discount." Otherwise, print "Sorry, no discount for you."

i.e

User types: Yes for membership , Yes for student
Then display 'You qualify for a discount '

User types:Yes for membership , No for student
Then display 'You qualify for a discount '

User types:No for membership , No for student
Then display 'Sorry, no discount for you'

Q:4) Create a JavaScript program using the prompt function. Ask the user for their age and whether they have a valid ID. to be eligible they should be older than 18 and have a valid ID. If both conditions are true, display "You are eligible." Otherwise, print "Sorry, you are not eligible."

i.e

User types: 19 for age, Yes for valid ID
Then display 'You are eligible'

User types: 16 for age, No for valid ID
Then display 'Sorry, you are not eligible'

User types: 17 for age, No for valid ID
Then display 'Sorry, you are not eligible'

Q:5) Write a short JavaScript program using if-else, decide if you'll go shopping or not . If either your father is paying or there's a sale, print "You will go shopping," otherwise, print "You will not go shopping".

i.e

User types: True for father is paying, True for sale
Then display 'You will go shopping'

User types: False for father is paying, True for sale
Then display 'You will go shopping'

User types: False for father is paying, False for sale
Then display 'You will not go shopping'

Q:6) Ask the user for their age and if they have their own Car using prompt. if the user is older than 17 years and owns a car then Display "you can drive and you own a car," otherwise, print "you can not drive a car."

i.e

User types: 18 years for age, yes for own a car
Then display 'you can drive and you own a car'

User types: 15 years for age, yes for own a car
Then display 'you can not drive a car'

User types: 15, yes for own a car
Then display 'you can not drive a car'

Q:7) Write a program that prompts the user for a number representing a day of the week (1 for Monday, 2 for Tuesday, etc.). Use an if and else if chain to display the corresponding day name.

i.e

if user writes 1 then display 'Monday'

If user writes 2 then display 'Tuesday'

Q:8) Simulate a traffic light using if and else statements Display the appropriate message based on user. input Users can choose Red, Yellow and green in any case format i.e rEd, reD, gReeN etc.

i.e

If the user types "Red", then display Stop!

If the user types "Yellow", then display Slow down.

If the user types "Green", then display Go.

If the user types anything else the above then display Invalid input.

GeeksVisor

Q:9) Ask the user to enter a day of the week. Check if it's a weekday or a weekend day and display an appropriate weekend or weekday message.

i.e

User types: Sunday

Then display 'It's a Weekend'

User types: Tuesday

Then display 'It's a Weekday '

If the user types anything else the above then display Invalid input.

Q:10) Classify a person into different age groups (e.g., child, teenager, adult, senior) based on their age.

Here is the range

1 - 12 child

12 - 18 teenager

18 - 65 adult

65 to above senior

also,

Display 'invalid age' if user type less than 1 or greater than 150

Display 'something went wrong' if the user types anything other than number.



Best of Luck