**Flowchart symbol**

***Here are some of the common flowchart symbols.***

***TahiraRiaz-Assignment# 9***

Terminal/Terminator

Process

Decision

Document

Data, or Input/Output

Stored Data

Flow Arrow

Comment or Annotation

Predefined process

On-page connector/reference

Off-page connector/reference

Question 1) : Write a program that checks if a number is even or odd. If it's even, print "Even," otherwise print "Odd."

if (num % 2 === 0) {

("Enter a number:")

PRINT

Odd

PRINT

Even

Question 2) : Create a program that asks the user for their age and then determines if they are eligible to vote (age 18 or older). If eligible, print "You can vote," otherwise print "You cannot vote."

if (age >= 18)

("Enter your age:")

("You can vote");

("You cannot vote")

YES NO

Question 3) : Create a program that asks the user for two numbers and determines which one is larger. Print the larger number

if (num1 > num2)

"Enter the first number:" "Enter the second number:"

("The larger number is:", num1);

("The larger number is:", num2);

YES NO

Question 4): Write a JavaScript program that prompts the user to enter their gender as "male" or "female." If the gender is "female," the program should display "Allowed," and if the gender is "male," it should display "Not Allowed.

if (gender === "female")

0) {

Enter your gender (male/female)

("Gender is female. You are allowed.")

("Gender is not female. Males are not allowed.")

YES NO

Question 5 ) : Write a JavaScript code snippet using the "if-else" statement to check if a variable temperature is greater than 30 degrees Celsius. If the temperature is greater than 30, display an alert message saying "It's a hot day!" Otherwise, display an alert message saying "The weather is pleasant."

if (temperature > 30)

("Assign a temperature value here")

("It’s a hot day!");

("The weather is pleasant");

YES NO

Question 6) : Write a JavaScript code snippet that checks if a user is either an admin or a moderator. If the user is an admin or a moderator, display an alert message saying "Access granted." Otherwise, display an alert message saying "Access denied."

if (userType === "admin" || userType === "moderator")

("Assign the user type (admin or moderator)")

("Access granted.")

("Access denied.")

YES NO

Question 7) : Write a JavaScript code snippet to determine a student's grade based on their score.

if (score >= 90)

Enter the score

“ A ”

if (score >= 80)

“ B ”

“ F ”

NO YES

NO YES

Question 8) : Write a JavaScript program that takes a user's age as input. If the age is 18 or older, display "You are an adult," if the age is between 13 and 17 (inclusive), display "You are a teenager," and if the age is 12 or younger, display "You are a child."

if (age >= 18)

"Please enter your age:"

You are an adult

if the age is between 13 and 17 (inclusive),

You are a teenager

You are a child

NO YES

NO YES

Question 9) : Write a JavaScript code snippet that determines whether a number is positive, negative, or zero. Use if, else if, and else statements to print one of the following messages:

if (num > 0)

Enter the Number

Negative

Zero

if (num > 0)

Positive

True Fales

True Fales

Question 10) : Write a JavaScript code snippet that checks if it's raining and prints a message accordingly. let isRaining = prompt("Enter true or False ”)

if (isRaining)

"Enter true or False

("It's raining, take an umbrella.")

"No need for an umbrella today."