Data for Table:

Technology	Usage Percentage	Year of Introduction
Broadband	75%	2000
Fiber Optics	50%	2005
5G Technology	20%	2019

5. **Equation:** Write the following equation:

$$\sigma = \sqrt{\frac{\sum(x_i - \mu)^2}{N}}$$

(b) You are required to create a PowerPoint presentation on "An **Introduction to 5G Technology**" for your Introduction to Information and Communication Technologies course. Your presentation should include the following:

1. **Title Slide:** Include a title for your presentation and your name.
2. **Content Slides:** Create at least **three slides** that cover:
   - An introduction to your chosen technology
   - Benefits of this technology
   - Potential challenges or drawbacks of the technology
3. **Design:** Create from scratch and ensure that your text is easy to read and visually appealing.
4. **Images:** Insert at least **one relevant image** on each content slide to support your topic.
5. **Transitions:** Apply a transition effect to all slides for a smooth flow between them.
6. **Animations:** Use animations to highlight key points on each content slide, ensuring they appear one at a time to maintain audience engagement.

Q2:   **[wgt: 9]**

(Excel) You are working in the HR department of a company. You need to categorize employees' performance based on their sales numbers using the following criteria:

- If sales are greater than **500**, mark as "**Outstanding.**"
- If sales are between **300** and **500** (inclusive), mark as "**Satisfactory.**"
- If sales are less than **300**, mark as "**Needs Improvement.**"

1. Add another column named "**Performance**" next to the "**Sales**" column and do the following:
   - Apply the related logical function and then create the most appropriate **Bar** Chart with "**Employee Name**" on the y-axis and their "**Sales**" on the x-axis.

Employee Name	Sales
Mr. Muhammad Aashir	450
Mr. Khalid Khan	600
Mr. Sameer Faisal	250
Mr. Ubaid Ullah	320
Mr. Waseem Rauf	500

(Access)   You are working as a data analyst for a bookstore. You need to create a table in MS Access to store information about books. The table should include the following fields:

- **BookID** (AutoNumber, Primary Key)
- **Title** (Short Text)
- **Author** (Short Text)
- **Price** (Currency)
- **PublicationYear** (Number)

Task:

1. Create the table in MS Access with the fields specified above.
2. Insert the following data into the table:
3. Change the font to **"Consolas"**.

BookID	Title	Author	Price	PublicationYear
1	The Great Gatsby	F. Scott Fitzgerald	$10	1925
2	To Kill a Mockingbird	Harper Lee	$15	1960
3	1984	George Orwell	$12	1949
4	Pride and Prejudice	Jane Austen	$8	1813
5	The Catcher in the Rye	J.D. Salinger	$14	1951

(SQL)   You are working as a database administrator for a company. The HR manager has asked you to retrieve a list of **all employees** who hold the job title 'Sales Representative'.

Task:

1. Write an SQL query to retrieve the following details of employees who are **Sales Representatives:**

   - `employee_id`
   - `first_name`
   - `last_name`
   - `hire_date`