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| --- | --- | --- | --- |
| Subject | **:** | | BING2 |
| Study Program | **:** | | D4 – Teknik Informatika |
| Semester | **:** | | 3 |
| Class | **:** | | TI-2E |
| NIM | **:** | | 244107020125 |
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**Exercise 1**

Esxisting fields: Employee name, Department, Position, Date of birth, Salary

Additional fields: Employee ID, Address, Email, Phone number

**Exercise 2**

1. There have 5 fields: Name, Country, Continent, Height, Status
2. There are 11 records
3. Volcanoes in North America:

* Popocatepetl (5452 m, active)
* Orizaba (5700 m, believed extinct)

1. Volcanoes over 6,000 meters:

* Aconcagua (6960 m)
* Chimborazo (6282 m)

1. Volcanoes that are believed extinct and whose height is less than 6,000 meters:

* Orizaba (5700 m)
* Elbrus (5647 m)
* Demavend (5666 m)

**Exercise 3**

1. Box a contains about the fields from database
2. Bos b contains about the search condition from the field
3. The selection rule is height in meters grater than 5000
4. The function for the button is to confirm about selection rule which has been selected
5. 9 records
6. Selection rules to find:
7. Status = active
8. Continent = South America
9. Status = active, Continent = Ecuador
10. Status = active, Continent = South America, Height > 5500 meters

**Exercise 4**

1. Database
2. Record
3. Field
4. Relational
5. Index
6. Sort
7. Query

**Exercise 5**

1. Auto number
2. Text
3. Number
4. Memo
5. OLE Objects
6. Checkbox
7. Hyperlink
8. OLE Objects
9. Date/Time

**Exercise 6**

1. You will find cry, dry, try, but you won’t find pray.
2. You will find bed, bead, bread, breed, but you won’t find breath
3. You will find 7th, 55th, but you won’t find path.
4. You will find Freda, Fredo, but you won’t find Fredi.
5. You will find Marta, Marti, but you won’t find Marto.

**Exercise 7**

1. Jo%

Find: John, Jordan

Doesn’t: James, Jack

1. S\_m

Find: Sam, Sum

Doesn’t: Seam, Slim

1. T[^aue]p

Find: Top, Tip

Doesn’t: Tap

**Exercise 8**

1. Occupation = student
2. FirstName = John
3. Sex = F .AND. Age > 22
4. Residence = Los Angeles

**Exercise 9**

1. If there is a power failure, you may lose all your data.
2. If you have a virus, it will probably corrupt your files.
3. If you don’t back up your files regularly, you may lose some of them.
4. If you can choose a simple password, someone might access your files.
5. If you don’t give your files meaningful names, you will probably forget what they contain.
6. If you copy pirated software, your PC might have a problem with computer viruses.
7. If you never read computer magazines, you will probably miss important new products.
8. If I know more programming languages, I will possibly get a better job.

**Exercise 10**

1. Data collection
2. Data sorting
3. Data validation
4. Data entry
5. Data tabulation
6. Data coding

**Exercise 11**

1. Data collection
2. Data coding
3. Data entry
4. Data validation
5. Data sorting
6. Data tabulation

**Exercise 13**

1. The inside of a hard drive
2. A portable external hard drive
3. Magnetic tapes and drives
4. A 3.5, floppy drive and diskette

**Exercise 14**

1. There are basically three types of magnetic **storage** devices available to computer users: hard drives, diskettes, and tapes.
2. The **capacity** of a 3.5” floppy disk is only 1.44 MB.
3. Hard drives can **hold** hundreds of times more data than floppy disks.
4. A portable hard drive is a good choice for **secondary** storage.
5. Magnetic tapes are used for **archiving** information that you no longer need to use regularly.

**Exercise 17**

1. CD-RW and DVD-RW / DVD+RW
2. CD-R and DVD-R / DVD+R
3. CD-ROM and DVD-ROM
4. Flash memory cards
5. Flash drives
6. Flash memory
7. Format