



Building Future Leaders

MINISTRY RESEARCH AND EDUCATION TALL
 UNIVERSITY COUNTRY JAKARTA
 FACULTY MIPA
 PHYSICS STUDY PROGRAM -
 EDUCATIONPHYSICS
 EXAM END SEMESTER (UAS)
 Introduction Technology Information (2 credits)

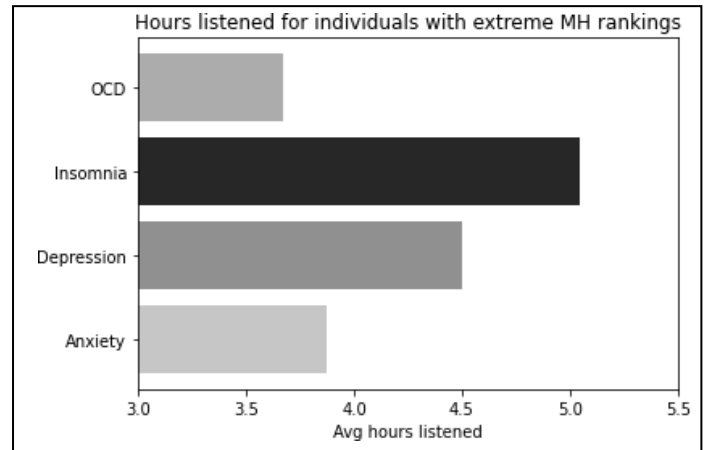
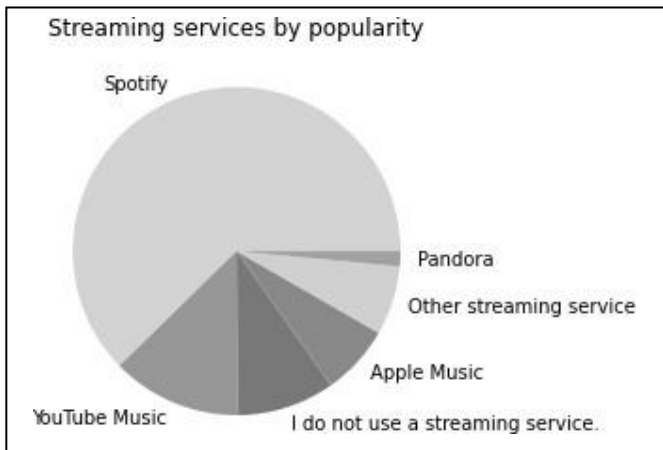
Date	: June 15 2023
Time	: 100 minutes
Device Which allowed	: Notes 1 A4 sheet
Lecturer	: Dr. Mutia Delina goddess Mulyati, M.Sc., M.Sc.

Instruction Processing:

- Write Name, NIM, subject, And lecturer guardian
- Do it manual without need software whatever
- Do it question with ballpoint.
- Results cheat / cooperation will be given **ZERO** value

Do it 5 question following.

1. (20 points) The following shows a graph of survey results on questions about music *streaming services* and legacystlisten music based on health disorder categories.



- Write it down What just Which seen from second chart the.
- Do *exploratory data analysis* from second chart the.

2. (20 points) Create an ERD (Entity Relationship Diagram) for a donation website with conditions as follows:

- table users consists from: id, name, e-mail, passwords, avatars
- table Donors consist of: ID, name, e-mail, passwords, avatars
- table campaigns consists from: id, title, targetdonation, duedate, description, image
- table categories consist of: id, name
- Every user can have **Lots** campaigns, every campaign only owned **One** user.
- Every categories have **many** campaigns, every campaign only own **One** categories.
- Every donors contribute **lots of** campaigns, every campaign own **Lots** donors. >>> Inrelation This will produce pivot table, add fields: id, invoices, amount, status
- Total tables include tables pivot There is 5 table.

3. (20 points) List at least 6 ethical principles in security computer.

4. (20 points) Create an image normalization table (consisting of color, frequency, probability columns) from the table Image Grayscale 16 colors below.

11	2	6	2	5	4
9	15	3	15	6	4
0	13	7	13	9	15
14	1	7	1	13	10
5	5	4	5	1	7
8	15	7	15	0	8
5	15	13	15	4	12
5	15	6	15	2	9

5. (20 points) Estimate then describe on the answer sheet if *the source code* is from the html page following opened on browser page.

```

<!DOCTYPE html>
<html>
  <head>
    <title>Form Registration</title>
  </head>
  <body>
    <h1>Create Accounts New!</h1>
    <form action="welcome.html" method="GET">
      <label>First Name: </label><br><br>
      <input type="text" name="fname"><br><br>
      <label>Last Name: </label><br><br>
      <input type="text" name="lname"><br><br><br>
      <label>Gender: </label><br><br>
      <input type="radio" name="gender" value="male">Male<br>
      <input type="radio" name="gender" value="female">Female<br>
      <input type="radio" name="gender"
value="othergen">Other<br><br><br>
      <label>Nationality: </label><br><br>
      <select id="nationality" name="nationality" value="Indonesia">
        <option selected="selected"
value="Indonesia">Indonesia</option>
        <options value="India">Other</option>
      </select><br><br><br>
      <label for="language">Language Spoken: </label><br><br>
      <input type="checkbox" name="language">Language Indonesia<br>
      <input type="checkbox" name="language">English<br>
      <input type="checkbox" name="language">Other<br><br><br>
      <label>Biography: </label><br>
      <textarea name="bio" cols="30" rows="10"></textarea><br><br>
      <input type="submit" value="Register!">
    </form>
  </body>
</html>

```