- or do Bias: AT systems may develop biases unfair outcomes. gata, leading to
 - Privacy: AI in surveillance or data collection may invaide users personal privacy.

Ways to make AI More Ethical:

- (1) Fair Data Collection: Ensure diverse and unbiased datasets.
- (2) Transparency: Make AI decision-making processes explainable.
- (3) Regulations: Implement policies to protect users privacy and writes.
- (4) Human Oversights: AI disisions should be reviewed by humans where necessary
- ol. (e) As is transforming various industries by improving efficiency, accuracy, and automation.
 - 1. Healthcare: AI helps in diagnosing diseases and predicting petient conditions.
 - 2. Finance: Detects fraud and automates trading systems.
 - 3. Manufacturing: Enhances automation in production lines, reducing costs.
 - 4. Customer Service: A1-powered chatbots provide 24/7 support.
 - 5. Transportation: Enables self-driving vehicles and smart traffic management

Ruhunu

Date: / /

o2(a) abc = "program"

def user_define_funct():

x = "open source."

print ("Python is" + abc)

print ("Python is + x)

user_define_funct().

- 02 (b) Python is considered and interpreted language because its code is executed line by line at runtime by the debbuging easier but may result in Slower performance compared to compiled languages.
- 02 (c) 0 Easy to Read and Write:
 python uses simple syntax, making
 it begginer friendly.
 - @ Interpreted Language: No need for compilation; executed directly by an interpreter.
 - 3 Dynamically Typed: No need to declare variable types explicity.
 - © Cross-Platform Compatibility: Runs on multiple operating systems like Windows, to macOS, and Linux
 - © Extensive Libraries: Comes with powerfull libraries for AI, machine learning, web development, and more.

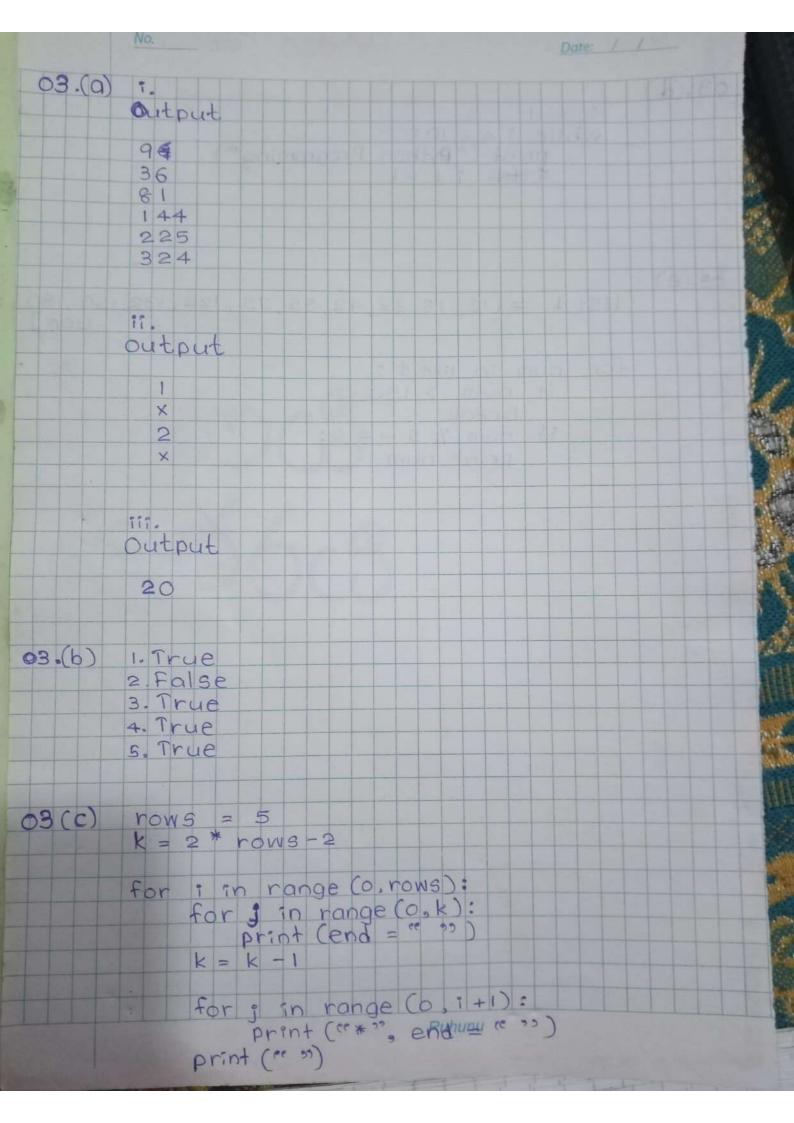
Ruhunu

02.(d) Valid Variable Names: 1. student nome 2. age _ 25 3. _ data_ value Invalid Variable Names: 1. 25 age (cannot start with anumber) 2. student - name (Hyphens - are not allowed, use_instead 3. class (class is reserved keyword in python) Rules for Variable Naming: 1. Must start with a letter (a-z, A-Z) or on underscores CADA_ 2. connot start with a number. 3. Can only contain letters, numbers, and underscores (_). 4. cannot use python reserved keywords like if, class, def, etc. 02(e) 1. 25 ×6 + 3 = 153 11.15.0 +6.0 -4.0 = 17.0

111. 10.8 × 45 // 5 = 97.0

IV. 93 + 5-2 114 = 729 +5-0 = 73+

v. 23 + 4 + 9 - 7 % 4 = 8 + 4 + 9 - 3 = 18



03.(6) i = 1 while i < = 10: print ("Python Programing")

(o3.(e) 115+1 = [12, 15, 32, 42, 55, 75, 122, 132, 150, 180

> for num in list 1: if num > 150

if num 1. 5 == 0:

print num