# PYTHON LAB MANUAL

**1a)** Write a python program to find the best of two test average marks out of three test's marks accepted from the user.

```
print("Enter the three internals marks:")
m1 = int(input("Enter marks1:"))
m2 = int(input("Enter marks2:"))
m3 = int(input("Enter marks3:"))
print("Marks1:", m1)
print("Marks2:", m2)
print("Marks3:", m3)
small=m1
if small > m2:
    small = m2
if small > m3:
    small = m3
avg=(m1+m2+m3-small)/2;
print("Average of best two test out of three test is",avg)
```

**1b)** Develop a Python program to check whether a given number is palindrome or not and also count the number of occurrences of each digit in the input number.

```
rev = 0

num = int(input("Enter the number:"))

temp = num

n=str(temp)

while num > 0:
    digit = num%10
    rev = rev*10+digit
    num //= 10

print("Given Number is", temp)
print("Reversed Number is", rev)

if temp == rev:
    print(temp, "is a Palindrome")
```

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**A Loxley**

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selling author Al Sweigart shows you how to easily build over 80 fun programs with minimal code and maximum creativity If you ve mastered basic Python syntax and you re ready to start writing programs you ll find The Big Book of Small Python Projects both enlightening and fun This collection of 81 Python projects will have you making digital art games animations counting pro grams and more right away Once you see how the code works you ll practice re creating the programs and experiment by adding your own custom touches These simple text based programs are 256 lines of code or less And whether it s a vintage screensaver a snail racing game a clickbait headline generator or animated strands of DNA each project is designed to be self contained so you can easily share it online You ll create Hangman Blackjack and other games to play against your friends or the computer Simulations of a forest fire a million dice rolls and a Japanese abacus Animations like a virtual fish tank a rotating cube and a bouncing DVD logo screensaver A first person 3D maze game Encryption programs that use ciphers like ROT13 and Vigen re to conceal text If you re tired of standard step by step tutorials you ll love the learn by doing approach of The Big Book of Small Python Projects It s proof that good things come in small programs **Python Programming** John Russel,2020-11-08 Unsure where to get started with coding Worried that learning a coding language will be too hard Or do you want to learn the easiest programming language Learning how to start with a new coding language is not always as easy as it may seem and some beginners are worried that working in this kind of language is going to be difficult and they give up before trying Maybe you have heard horror stories from those who tried to coding in the past and nothing worked The truth is Python does work and it is as simple as it seems Python Programming is going to take the time to teach you whether you are a total beginner or have worked with some coding in the past how to handle the Python language and how to make it work for your needs We will look not only at what this language is but give you some practical examples that can help you to start coding in this language in no time You will learn Why Python is Considered One of the Best Languages to Learn as a Beginner Step by Step Instructions to Download Install Python language on Windows Mac and Linux 5 Common Mistakes to Avoid when You Start Coding Basics of Python Programming that Will Allow You to Write your First Program in No Time How to Handle Strings Operators Conditional Statements The One Thing You Need to Debug your Codes in Python Practical Exercises to Quickly Get Practice Simple Strategies to Write Clean Understandable and Flexible Code With the help of Python Programming you will be able to learn more about how coding in this language works and how even someone with no coding experience can make it work Keep in mind that you can never compare a well structured guide with free online resources like Youtube videos and Blogs mostly out dated Whether you re completely new to programming or you are looking for a new language to expand your skills you will find this book an invaluable tool for starting and mastering programming in Python Would You Like to Know More Get this Book Now to Master Python Programming **Python Programming for Students and Beginners** Ashutosh Shashi,2024-09-23 Unlock the World of Python Programming with Fun and Easy to Follow Stories Are you a high school student a curious kid or a beginner looking to dive into the world of

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