

Activity No. 1.1	
Flowcharting and Application of Pseudo codes	
Course Code: CPE007	Program: Computer Engineering
Course Title: Flowcharting and Application of Pseudo codes	Date Performed: 8/28/25
Section: CPE11S1	Date Submitted: 8/28/25
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<b>6. Output</b>	
<b>1. CHANGING PIN</b>	
<pre> graph TD     Start((Start)) --&gt; Insert[Insert Card]     Insert --&gt; EnterOld[Enter Old PIN]     EnterOld --&gt; Decision{Is old PIN correct??}     Decision -- If no --&gt; Invalid[Invalid PIN]     Invalid --&gt; End1((End))     Decision -- If yes --&gt; Step5[Go to step 5]     Step5 --&gt; EnterNew[Enter New PIN]     EnterNew --&gt; Confirm[Confirm New PIN]     Confirm --&gt; Decision2{Does New PIN and Confirm PIN match??}     Decision2 -- If no --&gt; NotMatch[PIN do not match]     NotMatch --&gt; End2((End))     Decision2 -- If yes --&gt; Step8[Go to step 8]     Step8 --&gt; Success[PIN changed successfully]     Success --&gt; End3((End))   </pre>	
<b>PSUEDO CODE:</b>	
Start	
Insert Card	
Enter Old PIN	
Is Old PIN correct??	
If No > Show "Invalid PIN"	
End	
If Yes > Enter New PIN	

## Confirm New PIN

Does New PIN and Confirm PIN match??  
If No > Display "PIN do not match"  
End  
If Yes > Update PIN  
Display "PIN changed successfully"  
End

End

## 2. WITHDRAW



## PSUEDO CODE:

Start

    Insert Card  
    Enter PIN

    Is PIN correct??

        If No > Show "Invalid PIN"  
            End

        If Yes > Choose type of transaction  
            Select "Withdraw"  
            Enter amount

```

Is the amount greater than balance??
If Yes > Show "Insufficient fund"
    End
If No > Deduct amount from balance (Go to step 9)
    Give the money
    Show "Withdrawal Successful"
    End
End

```

### 3. DEPOSIT



### **PSUEDO CODE:**

```

Start
Insert Card
Enter PIN

Is PIN correct??
If No > Show "Invalid PIN"
    End
If Yes > Enter Amount
    Insert Cash
    Balance = balance + amount
    Show "Deposit Successful"
    End
End

```

#### 4.FUND TRANSFER



#### PSUEDO CODE:

Start

    Insert Card  
    Enter PIN

    Is PIN correct??

        If No > Show "Invalid PIN"  
        End

        If Yes > Enter Recipient Account  
            Enter Amount

    Is Amount greater than Balance??

        If Yes > Show "Insufficient Funds"  
        End  
        If No > Balance = balance - amount  
            Recipient Balance = Recipient Balance + Amount  
            Show "Transfer Successful"  
            End

End

#### 7. Supplementary Activity

## 8. Conclusion

In this activity i definitely got familiarized more with flowcharts and psuedo codes not like before where i had no idea how to make one, and submitted the wrong stuff. This activity helped me improve more on creating psuedocodes and flow charts.

## 9. Assessment Rubric

Rubric for SO 7 (7)

Criteria	Ratings						Pts
⑤ SO 7 PI 1 ILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent   Educational interests and pursuits exist and flourish outside classroom requirements,knowledge and/or experiences are pursued independently and applies knowledge learned into practice	5 pts Good   Educational interests and pursuits exist and flourish outside classroom requirements,knowledge and/or experiences are pursued independently	4 pts Satisfactory   Look beyond classroom requirements, showing interest in pursuing knowledge independently	3 pts Unsatisfactory   Begins to look beyond classroom requirements, showing interest in pursuing knowledge independently	2 pts Poor   Relies on classroom instruction only	1 pts Very Poor   No initiative or interest in acquiring new knowledge	6 pts
⑤ SO 7 PI 2 ILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent   Completes an assigned task independently and practices continuous improvement	5 pts Good   Completes an assigned task without supervision or guidance	4 pts Satisfactory   Requires minimal guidance to complete an assigned task	3 pts Unsatisfactory   Requires detailed or step-by-step instructions to complete a task	2 pts Poor   Shows little interest to complete a task independently	1 pts Very Poor   No interest to complete a task independently	6 pts
⑤ SO 7 PI 3 ILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent   Synthesizes and integrates information from a variety of sources; formulates a clear and precise perspective; draws appropriate conclusions	5 pts Good   Evaluate information from a variety of sources; formulates a clear and precise perspective.	4 pts Satisfactory   Analyze information from a variety of sources; formulates a clear and precise perspective.	3 pts Unsatisfactory   Apply the gathered information to formulate the problem	2 pts Poor   Gather and summarized the information from a variety of sources but failed to formulate the problem	1 pts Very Poor   Gather information from a variety of sources	6 pts
⑤ SO 7 PI 4 ILO4 Utilize lifelong learning skills in pursuit of personal development and excellence in professional practice. threshold: 4.8 pts	6 pts Excellent   Ideas are combined in original and creative ways in line with the new and emerging technology trends to solve a problem or address an issue.	5 pts Good   Ideas are creative and adapt the new knowledge to solve a problem or address an issue	4 pts Satisfactory   Ideas are creative in solving a problem, or address an issue	3 pts Unsatisfactory   Shows some creative ways to solve the problem	2 pts Poor   Shows initiative and attempt to develop creative ideas to solve the problem	1 pts Very Poor   Ideas are copied or restated from the sources consulted	6 pts