

Name of the Student HIS MAKAR C

## LABORATORY WORK BOOK

Cis	iss CSE-B Semester VI					Holl Number			
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		e Course Faculty Mr. 1							
	rose N.						Date 04		
	Exercise Number	EXERCISE NAME	MARKS AWARDED						
			Aloy . Precuration	Algorithm	n / Procedure 1 Source Odd		1 TO STATE STOOMS IN		
				Perloman	ce in the Lab	Calculations and Graces	Aralysis	Apos	Tetal
					4	4	4	4	20
1	Z-1	ATM System	ч	Ex.C	ч.	4	· 4:	4	6
2	2.2	Banking Application							
3	2.3	Students Records into table into Excel file		- 12 h		11,54			
4	2-4	calculator		(5.8)	1 11	(J-9)	19		
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			10	15.35	2.1	2) 60	65		

Signature of the Student

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Roll Number

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ATM System
Design and develop a program for ATM
                                  beode owning
system by using any suitable
language.
#include <stdio-h>
unsigned long amount = 1000, deposit, with draw;
int choice, Pin, K;
char transaction = -Y';
void main()
                          1
 while (Pin 1 = 1520)
   3
       Printf("Enter your Pin number:");
       Scanf ("%d", & Pin);
       if (Pin 1= 1520)
      §
        Printf("Please Enter valid PINM");
   do
     Prints (" welcome to ATM service.");
     Prints ("1. check Balancein");
     Prints (" 2. withdraw cashin");
     Prints ("3. Peposit Cashin");
     Protest ("4. Quil In");
```

Stans (" % d", & choice);

```
switch (choice)
  case i:
       Printf ("In Your Balance is " 2 le amount
        preak;
             SHOW IN THE SEC.
 case 2:
     Printf ("In Enter Amount to whichme "):
      Scanf ("% lu", & withdraw)
    if (withdrap & 200 1= 0)
Paints ("In Please Enter amount in multiples of
             ( withdraw > famount-500)
                  Insufficient Salance.")
else
        amount = amount - withdraw;
       Parintf ("In In Plese collect coush ");
       Prints ("In Your current Balance &
              % luy amount);
      pasak:
 case 3:
     Printf ("In Enter amount to deposit");
     scanf ("%lu", fdeposition
     amount to deposit;
     Printf("Your Balance & "& lu" amount)
     pasak;
```

```
2.1 ATM System:
             Design and develop a program
              ien Ra
                                         case 4:
                                                           Printf("In Thank You");
                                                          break;
                                        default: ordered " ord") renote
                                                            Printf ("In Invalid choice");
                  Printf("In InIn Do You wish to have
                                     another Transaction & (YIn): In");
                  fflush (stdin);
                   scanf ("%C", & transaction);
                                      if (transaction == 'n' | 1 transaction == 'N')
                                                        K = 1;
                    while (!k);
                                                                                              5 por 21" (40) 40 157
                      Printf("In Thanks for
                                                                                                                        using ATM service");
                                                                                                                                     100 J 6 6
                 The white and the appropriate and the part of the part of the
                                                                  Charger to plan " tropic
                                                 (direction of the design of
           to Assessment of the late of the second of t
```

11000

Test case 1: cash withdrawle with

Enter your pin number: 1520

welcome to ATTA Service

- 1. Check Balance
- 2. Withdraw cash
- 3. DePosit cash 4. Quit

FRANCISCO CONTRACTOR Enter your choice: 2

Capacita Notice and 15 Annual Enter Amount to withdraw: 10000:

Insufficient Balance Test case 2: cash Deposit

Do u wish to have another Transaction ? (411)

3-10-0

8 == C #1

0 = 47.50

7 7774

30/3

to it out

- General 5 200 m

- 1. Check Balance
- 2. Withdraw cash
- 3- Deposit cash
- 4. Quit

gift goest father) forter) don't a co Enter your choice: 3

Enter amount to deposit: 1000

Your Balance is 2000

of thomas soin ? Discovered to

111 : 120790

```
2.2 Banking application
  Design and develop a program for banking
  application by using suitable program language
                             - 100 to 9 to 94 - 12
  bal = 0
                            and the second second
   0 = 0
  While True:
     Print ('1: create_new_account")
     Print ("2: Cash-Deposit")
      Print ("3: cash-withdraw")
                              Comments Comment
      Print ("4: Account-information")
      Print ("5: Break")
      P = int(input(: Enter your choice: "))
                              garanted Table ...
       if P == 1:
         0 = int(input('Enter your Pin:'))
         8 = 0; ba1=0
                             dia 11 0900
       elif P== 2:
                                      5 30 5 5
         0 = int(input('Enter your pin:'))
         if 8 == 0:
            Print ("create a account")
                      moor in model and
          Cise:
            if 0 == 8:
               a = int(input('Enter amount to
                       De Posit: 1))
              / bal += a
            eise:
               Chuse Buosan,) tuisd
```

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elif P == 3:
    0 = int(input(Enter your pin: 1))
    if 8 == 0:
      Print (" (sieate account")
    else:
       19 0==827 1100 mm 187 - 1000 10
          a = int (input ("Enter amount to
                 withdraw: 1)
          if a <= bal:
              bal = bal - a
               from a secretario i c
          else:
             Point ("Balance Insufficient")
       else:
                     La contribit on 0 3
          BRINF (, MEONS BIN,)
@lip P == 4:
                              H 12 95 3
  0 = int(input("Enter your Pin: "))
   # 8==0: except such and it
      Point ("create a account")
   else:
                             0 = 000000
      18 0== 8:
        Print (" Account Information: ")
        Point ("Balance: ", bal);
      else.
                         Stronged with
          Point ("Warong PINA)) Inioq
                MCHART STATE EVENTS
cesse:
                            70000
   Print ('EXIF')
                indicate such that
   break
             COLUMN WITH SUMP STATE
     STORE OF STREET, ST. DELEGARD STREET,
                diversity of the service of the
```

## Test case 1: Account Balance

- 1: create-new-account
- 2: Cash-Deposit
- 3: cash-withdrawl
- 4: Account\_ Information
- 5: Break

Enter your choice: 1

Enter your pin: 121203

- 1: creak-new-account
- 2: cash-DePosit
- 3: Cash-withdrawl
- 4: Account\_ Information
- 5: Break

Enter your choice: 4

Enter your pin: 121203

Account Information:

Balance = 0

## Test case 2: cash withdrawl

- 1: create\_new\_account
- 2: cash-DePosit
- 3: cash\_withdrawl
- 4: Account\_Information
- 2: BREOK

Enter your choice: 3

Enter your Pin: 121203

Enter amount to withdraw: 1000

Balance is Insufficient

1 1/2 20 3

\*1 - 3 570

```
2.3 student records into table into Excel file
   pesign and develop a program to update to
   student records into table into excel
  tile by using suitable language.
   import Pandas as Pd
  p = pd. DataFrame (pd. read-excel ("nothing.xlsx"))
  d = {'Name': ['Bhavana', 'Tyotsna) Ananya',
      'Supriva' 'Haasini', 'Shivani', 'Varshini'],
       Age': [20, 20, 20, 20, 16, 22, 22]}
  d = pd. Data Frame(d)
                        Satury Of Horry
   1 = 1. - append (d, ignosie-index = True)
   1. to - excel ("nothing. xls.x")
                   Carmed ( Let ) free is
  Point(1)
                         (as lasts) is the !
  INPUTIOUTPUT:
     (at Name : Ma Age thist : 1 360)
      Himakar 20 Minus
   1 Bhavana 1100 120 thirt is and
      240Fena 30 Min = 32/2)
                 20 1000
       Ananya
                   201 11 11 15 00
      SUPTIYA
   5 Haasini 16
   6
      Lshivani 22
       varshini 22
                          170911
      The said Minney of the patient of the early
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2-4 Calculator
```

Design and Develop representing a calculator in any suitable programming language & write down 16 test cases.

#include <stdio.n>

int mathorise hours his more refail for a ?

int a, b, choice;

Printf ("Enter two integers:"

scanf ("%d %d", fa, fb);

Printf ("Enter choice: In 1. Addition in

2. Subtraction in 3. Multiplication in

4. Division (mi);

Scanf ("%d", & choice);

switch (choice)

{ case 1: Point+("Result: %d", a+b); break;

case 2: print+(" Result: "bd", a-b); preak;

Ease 3: Print & ("Result" &d", a \* b); break

(ase 4: 17 (b.1=0)

Printf(" Result: %. 24", a /6);

else

beinff (Lessos) Division ph zero not possible.");

break;

default: printf("Invalid choice."); predK?

Test case 1: Addition Enter two integers: 5 4 Enter Choice: 1. Addition 2. subtraction 3. Multiplication 4. Division 1 Result: 9 Test case 2: subtraction Enter two integers: 5 4 Enter choice: 1. Addition 2. subtraction 3- Multiplication 4. Division 2 Result