PROBLEM SOLVING

(Solving various Problems using C Language)

Summer Internship Report Submitted in partial fulfillment of the requirement for under graduate degree of

Bachelor of Technology

In

Computer Science Engineering

By

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Under the Guidance of



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DECLARATION

I submit this industrial training work entitled "SOLVING VARIOUS PROBLEMS WITH C LANGUAGE" to GITAM (Deemed To Be University), Hyderabad in partial fulfillment of the requirements for the award of the degree of "Bachelor of Technology" in "Computer Science Engineering". I declare that it was carried out independently by me under the guidance of Mr., Asst. Professor, GITAM (Deemed To Be University), Hyderabad, India.

The results embodied in this report have not been submitted to any other University or Institute for the award of any degree or diploma.

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Dated:

CERTIFICATE

This is to certify that the Industrial Training Report entitled "SOLVING VARIOUS PROBLEMS WITH C LANGUAGE" is being submitted by VAISHNAVI KULKARNI(221710305024) in partial fulfillment of the requirement for the award of Bachelor of Technology in Computer Science Engineering at GITAM (Deemed To Be University), Hyderabad during the academic year 2019-20

It is faithful record work carried out by her at the **Computer Science Department**, GITAM University Hyderabad Campus under my guidance and supervision.

Mr. Assistant Professor Department of CSE

Dr.S.Phani Kumar Professor and HOD Department of CSE

ACKNOWLEDGEMENT

Apart from my effort, the success of this internship largely depends on the encouragement and guidance of many others. I take this opportunity to express my gratitude to the people who have helped me in the successful competition of this internship.

I would like to thank respected **Dr. N. Siva Prasad,** Pro Vice Chancellor, GITAM Hyderabad and **Dr. CH. Sanjay,** Principal, GITAM Hyderabad

I would like to thank respected **Dr.Phani Kumar**, Head of the Department of Computer Science Engineering for giving me such a wonderful opportunity to expand my knowledge for my own branch and giving me guidelines to present a internship report. It helped me a lot to realize of what we study for.

I would like to thank the respected faculties $\mathbf{Mr.}$ who helped me to make this internship a successful accomplishment.

I would also like to thank my friends who helped me to make my work more organized and well-stacked till the end.

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1.INTRODUCTION

Problem Solving is the Process of Designing and carrying out certain steps to reach a Solution. Five problems which are listed below are of different complexity and require different approach and logics in order to achieve desired Output/ Solution

- 1.**Online Shopping:** In this Problem we tend to see the process of online shopping and also the total cost in the cart after adding and deleting the items required by Customer.
- 2. Morse Code: In this Problem we can convert an English typed content into Morse Code.
- 3. Calculate Day from Given Date: In this Problem we can derive the day based on the date and year entered by the user.
- 4. Guess the Toss of a Coin: In this Problem we guess the output as head and tail and it displays as Correct or Not.
- 5.**ATM Machine :** In this problem we check multiple transactions based on the given conditions.

I have executed project in C language. I have used DEV C++ to execute the codes.

2.PROBLEM 1: ONLINE SHOPPING

This project aims to develop an Online Shopping for Customers with the goal so that it is easy to shop your loved things. With the help of this you can carry out online shopping at your home.

2.1 CONCEPTS USED:

1. Switch Statement : A Switch Statement allows a variable to be tested for equality against a list of values. Each value is called a case, and the variable being switched on is checked for each switch case.

2. Do-While loop : A do while loop is similar to while loop with one exception that it executes the statements inside the body of do-while before checking the condition.

3. For loop : A For loop is a control flow statement for specifying iteration, which allows code to be executed repeatedly.

4. Const Keyword : Variables can be declared as constants by using the const keyword before the datatype of the variable. The constant variables can be initialized once only. The default value of constant variables are zero.

Syntax: const int a;

5. If-else condition : The if-else statement in C is used to perform the operations based on some specific condition. The operations specified in if block are executed if and only if the given condition is true.

6. Static Keyword : Static keyword is mainly used for memory management. It can be used with variables, methods, blocks and nested classes.

Syntax: static int a;

7. Break Statement: The break is a keyword in C which is used to bring the program control out of the loop. The break statement is used inside loops or switch statement. The break statement breaks the loop one by one.

Syntax: break;

EXPECTED OUTPUT:

```
### Clubertywalet/Desktopl/Dynaholito Project/ Colimic Clospring Clospring Colimic Clospring Colimic Clospring Colimic Clospring Clo
```

Fig 2.1.1

```
Any other number to exit

2
Enter
1 - Adidas - Rs.3550
2 - Nike - Rs.5000
3 - Leecoper - Rs.2800
Any other number to exit
3
You chose Leecoper Shoes for Rs.2800.Are you sure to buy.If 'Yes' Enter 1 else any number
1
Your Cost in Cart is 3155
Vaishnavi's cart
1
If Items Quantity Cost
0 Sandisk 16 GB 1 355
5 Leecoper 1 2800
Total Cost
If you wish to buy anything more Enter
1. to Add Item
2. to Delete Items
Any other number to Exit
1
Enter
1 - Computer Accessories
2 - Shoes
3 - Mobiles
Any other number to exit
3
Enter
1 - Mi Note 3 - Rs.11000
2 - Nokia 3 - Rs.9866
3 - Sansung S5 - Rs.12800
Any other number to exit
```

Fig 2.1.2

```
О
Any other number to exit
You chose to buy Samsung for Rs.12800.Are you sure to buy.If 'Yes' Enter 1 else any number
Your Cost in Cart is 15955
Vaishnavi's cart
Id Items
0 Sandisk 16 GB
                                                                                      Cost
355
2800
                                           Quantity
          Leecooper
          Samsung s5
                                                                                      12800
15955
Total Cost
If you wish to buy anything more Enter
1. to Add Item
2. to Delete Items
 Any other number to Exit
Enter id to delete item
Revised Items
          Items
Leecooper
                                           Quantity
                                                                           2800
                                                                           12800
15600
          Samsung s5
Total Cost
 of you wish to buy anything more Enter
1 to Add Item
2 to Delete Items
Any other number to Exit
  - Computer Accessories
- Shoes
- Mobiles
```

Fig 2.1.3

```
- Computer Accessories
    Mobiles
Any other number to exit
Enter
enter
1 - Sandisk 16 GB - Rs.355
2 - Logitech Mouse- Rs.500
3 - Pendrive 16 GB - Rs.550
Any other number to exit
You chose Logitech Mouse with Rs.500.Are you sure to buy.If 'Yes' Enter 1 else any number
Your Cost in Cart is 16100
Vaishnavi's cart
Id Items
                                                                                           Cost
500
                                             Ouantity
           Logitech Mouse
          Leecooper
Samsung s5
                                                                                           2800
12800
Total Cost
If you wish to buy anything more Enter
1. to Add Item
2. to Delete Items
Any other number to Exit
.
Your Final Cost is 16100
Thanks Vaishnavi for Choosing Us and Visit us again.
 Process exited after 38.28 seconds with return value 53
```

Fig 2.1.4

2.2 CODING:

```
#include<string.h>
#include<stri
```

Fig 2.2.1

```
scanf("%d",&accessoriesChoice);
34
35
         cost[0]=355;
         cost[1]=500;
36
         cost[2]=550;
37
         switch(accessoriesChoice)
38
39 🖨
40
          case 1:
41
42
43
           printf("You chose Sandisk 16GB with Rs.355.Are you sure to buy.If 'Yes' Enter 1 else any number\n");
44
           scanf("%d",&num);
45
           if(num==1)
46 🖨
47
            a[0]++;
48
           totalCost+=355;
49
50
           printf("Your Cost in Cart is %d\n",totalCost);
51
           break;
52
53
          case 2:
54 🖨
55
56
           printf("You chose Logitech Mouse with Rs.500.Are you sure to buy.If 'Yes' Enter 1 else any number\n");
           scanf("%d",&num);
57
58
           if(num==1)
59 🖨
60
            a[1]++;
61
           totalCost+=500;
62
           printf("Your Cost in Cart is %d\n",totalCost);
63
64
          break;
65
          case 3:
66
67 🖨
```

Fig 2.2.2

```
int num;
printf("You chose Pendrive 16GB with Rs.550.Are you sure to buy.If 'Yes' Enter 1 else any number\n");
68
69
70
71
             if(num==1)
72
73
             totalCost+=550;
74
75
76
77
             printf("Your Cost in Cart is %d\n",totalCost);
             break:
78
79 🗖
           default:{
  printf("Exit from Computer Accesories\n");
80
81
82
83
84
          break;
85
         case 2:
86
87 🖨
          int shoesChoice:
88
          printf("Enter\n1 - Adidas - Rs.3550\n2 - Nike - Rs.5000\n3 - Leecooper - Rs.2800\nAny other number to exit\n");
scanf("%d",&shoesChoice);
cost[3]=3550;
90
91
          cost[4]=5000;
          cost[5]=2800;
switch(shoesChoice)
93
94
95 🖨
            case 1:
96
97 🖯
             int num; printf("You chose Adidas Shoes for Rs.3550.Are you sure to buy.If 'Yes' Enter 1 else any number\n"); scanf("%d",&num);
98
99
```

Fig 2.2.3

```
if(num==1)
101
102 🛱
              a[3]++;
103
104
              totalCost+=3550;
105
             printf("Your Cost in Cart is %d\n",totalCost);
106
107
             break;
108
109
            case 2:
110 🛱
             int num;

printf("You chose Nike Shoes for Rs.5000.Are you sure to buy.If 'Yes' Enter 1 else any number\n");

scanf("%d",&num);
111
112
113
114
115 🖨
              a[4]++;
116
117
              totalCost+=5000;
118
            printf("Your Cost in Cart is %d\n",totalCost);
break;
119
120
121
            case 3:
122
123 🖨
             int num; printf("You chose Leecooper Shoes for Rs.2800.Are you sure to buy.If 'Yes' Enter 1 else any number\n"); scanf("%d",&num);
124
125
126
127
             if(num==1)
128 🖨
              a[5]++;
129
130
              totalCost+=2800:
131
             printf("Your Cost in Cart is %d\n",totalCost);
132
133
             break;
```

Fig 2.2.4

```
134 ├
135 戸
             }
default:{
               printf("Exit from Shoes Category\n");
137
               break;
138
139
140
            break;
141
142
143 🚍
           case 3:
            int mobileChoice;

printf("Enter\n1 - Mi Note 3 - Rs.11000\n2 - Nokia 3 - Rs.9866\n3 - Samsung S5 - Rs.12800\nAny other number to exit\n");

scanf("%d",&mobileChoice);
144
145
146
147
148
            cost[6]=11000;
            cost[7]=9866;
cost[8]=12800;
149
150
151 🖯
            switch(mobileChoice)
152 |
153 |
154
              printf("You chose to buy Mi Note 3 for Rs.11000.Are you sure to buy.If 'Yes' Enter 1 else any number\n"); scanf("%d",&num); if(num==1)
155
156
157
158 <del>|</del>
159
                a[6]++;
160
                totalCost+=11000;
161
162
               printf("Your Cost in Cart is %d\n",totalCost);
163
               break;
164
166
```

Fig 2.2.5

```
int num; printf("You chose to buy Nokia 3 for Rs.9866.Are you sure to buy.If 'Yes' Enter 1 else any number\n"); scanf("%d",&num);
167
168
169
170
171 □
             if(num==1)
              a[7]++;
totalCost+=9866;
172
173
174
             printf("Your Cost in Cart is %d\n",totalCost);
175
176
             break;
177
178
            case 3:
179 🖨
             int num;

printf("You chose to buy Samsung for Rs.12800.Are you sure to buy.If 'Yes' Enter 1 else any number\n");

scanf("%d",&num);
180
181
182
183
             if(num==1)
184
185
               a[8]++;
              totalCost+=12800;
186
187
             printf("Your Cost in Cart is %d\n",totalCost);
break;
188
189
190 -
191 =
            default:{
192
             printf("Exit from Mobile Category\n");
193
             break;
194
195
196
           break;
197
198
          default:
199 🖨
```

Fig 2.2.6

```
200
            printf("Enter Valid Categories Choice\n");
201
            break;
202
          }
203
         printf("%s's cart\n",str);
printf("Id\tItems\t\t\Quantity\t\t\Cost\n");
for(i=0;i<9;i++)</pre>
204
205
206
207 🖨
208
           if(a[i]!=0)
209 🖨
210
            printf("%d\t%s\t\t%d\t\t\t%d\n",i,items[i],a[i],(cost[i]*a[i]));
211
212
         printf("Total Cost\t\t\t\t\t\t\t\d\n",totalCost);
printf("If you wish to buy anything more Enter\n1. to Add Item\n2. to Delete Items \nAny other number to Exit\n")
scanf("%d",&c);
213
214
215
216
        }
217
         if(c==2)
218
           int id:
219
220
          printf("Enter id to delete item\n");
221
           scanf("%d",&id);
           if(id<=9&&id>=0){
222 🖨
           totalCost=totalCost-(cost[id]*a[id]);
223
224
           a[id]=0;
225
225 上
226 日
          else{
227
            printf("Enter Valid id\n");
228
                printf("Revised Items \n");
printf("Id\tItems\t\t\tQuantity\t\tCost\n");
    for(i=0;i<9;i++)</pre>
229
230
```

Fig 2.2.7

```
232 口
             if(a[i]!=0)
233 ☐
234 ☐
235
            printf("%d\t%s\t\t%d\t\t\d\n",i,items[i],a[i],(cost[i]*a[i]));
236
237
238
                 printf("Total Cost\t\t\t\t\t\t\d\n",totalCost);
             printf("If you wish to buy anything more Enter\n1 to Add Item\n2 to Delete Items \nAny other number to Exit\n"); scanf("%d",&c);
239
240
241
     }while(c==1 || c==2);
printf("Your Final Cost is %d\n",totalCost);
printf("Thanks %s for Choosing Us and Visit us again.\n",str);
}
242
243
```

Fig 2.2.8

2.3 OUTPUT:

```
Please Enter Your Name
Vaishnavi
Hello Vaishnavi, Welcome to our Online Shopping.
Enter
1 - Computer Accessories
2 - Shoes
3 - Mobiles
Any other number to exit
1
Enter
1 - Logitech Mouse- Rs.550
Any other number to exit
1
Vou chose Sandisk 16GB with Rs.355.Are you sure to buy.If 'Yes' Enter 1 else any number
1
Your Cost in Cart is 355
Vaishnavi's cart
Id Items Quantity Cost
8 Sandisk 16 GB 1 355
If you wish to buy anything more Enter
1. to Add Item
2. to Delete Items
Any other number to Exit
1
Finter
1. computer Accessories
2. to Computer Accessories
3. Mobiles
Any other number to exit
1
If computer Accessories
3. Mobiles
Any other number to exit
1
In the Add Item
3. Sandisk 16 GB 1 355
If you wish to buy anything more Enter
3. to Delete Items
3. Any other number to Exit
3. Computer Accessories
3. Mobiles
4. Any other number to exit
```

Fig 2.3.1

```
Any other number to exit

2
Enter

1 - Adidas - Rs.3550
2 - Nike - Rs.5000
3 - Leecooper - Rs.2800
Any other number to exit
3
You chose Leecooper Shoes for Rs.2800.Are you sure to buy.If 'Yes' Enter 1 else any number
1
Your Cost in Cart is 3155
Vaishnavi's cart
Id Items Quantity Cost
0 Sandisk 16 GB 1 355
S Leecooper 1 2800
Total Cost
1 750al Cost
1 750a
```

Fig 2.3.2

```
О
Any other number to exit
You chose to buy Samsung for Rs.12800.Are you sure to buy.If 'Yes' Enter 1 else any number
Your Cost in Cart is 15955
Vaishnavi's cart
Id Items
O Sandisk 16 GB
                                                                                      Cost
355
2800
                                           Quantity
          Leecooper
          Samsung s5
                                                                                      12800
Total Cost
If you wish to buy anything more Enter
1. to Add Item
2. to Delete Items
 Any other number to Exit
Enter id to delete item
Revised Items
          Items
Leecooper
                                           Quantity
                                                                           2800
                                                                           12800
15600
          Samsung s5
Total Cost
 of you wish to buy anything more Enter
1 to Add Item
2 to Delete Items
Any other number to Exit
  - Computer Accessories
- Shoes
- Mobiles
```

Fig 2.3.3

```
0
     Computer Accessories
  - Mobiles
 ny other number to exit
Enter
 - Sandisk 16 GB - Rs.355
- Logitech Mouse- Rs.500
- Pendrive 16 GB - Rs.550
Any other number to exit
You chose Logitech Mouse with Rs.500.Are you sure to buy.If 'Yes' Enter 1 else any number
Your Cost in Cart is 16100
Vaishnavi's cart
Id Items
                                              Quantity
          Logitech Mouse
Leecooper
                                                                                             500
2800
           Samsung s5
                                                                                              12800
o Samsung 55 I
Total Cost
If you wish to buy anything more Enter
1. to Add Item
2. to Delete Items
Any other number to Exit
                                                                                              16100
Your Final Cost is 16100
Thanks Vaishnavi for Choosing Us and Visit us again.
Process exited after 38.28 seconds with return value 53
Press any key to continue . . .
```

Fig 2.3.4

3.PROBLEM 2: MORSE CODE

This Project aims to convert the given data into Morse Code.

3.1 CONCEPTS USED:

1. **While loop :** A while loop is a control flow statement that allows code to be executed repeatedly based on a given Boolean condition. The while loop can be thought of as a repeating if statement.

2. **gets()**: The C library function char gets() reads a line from stdin and stores it.

```
Syntax: gets(name);
```

3. Logical Operator AND (&&): The logical AND operator (&&) returns the boolean value TRUE if both operands are TRUE and returns FALSE otherwise. ... The first operand is completely evaluated and all side effects are completed before continuing evaluation of the logical AND expression.

```
Syntax : if (a&&b){
     Printf("Logical And");
}
```

4. **If Statement :** The if-else statement in C is used to perform the operations based on some specific condition. The operations specified in if block are executed if and only if the given condition is true.

EXPECTED OUTPUT:

Fig 3.1.1

3.2 CODING:

```
#include<stdio.h>
#include<string.h>
#include<ctype.h>
#main()

#include<ctype.h>

#main()

#include<ctype.h>

#include<ctype.h

#inc
```

Fig 3.2.1

3.3 OUTPUT:

Fig 3.3.1

4.PROBLEM 3 : CALCULATE DAY FROM GIVEN DAY

This Project aims to calculate Day from given Date.

4.1 CONCEPTS USED:

1. Pointers : A pointer is a variable that stores the address of another variable. Unlike other variables that hold values of a certain type, pointer holds the address of a variable.

Syntax : int *ptr;

2. Logical Operator OR (||): The logical-OR operator performs an inclusive-OR operation on its operands. The result is 0 if both operands have 0 values. If either operand has a nonzero value, the result is 1. If the first operand of a logical-OR operation has a nonzero value, the second operand is not evaluated.

3. For loop : A For loop is a control flow statement for specifying iteration, which allows code to be executed repeatedly.

4. Break statement : The break is a keyword in C which is used to bring the program control out of the loop. The break statement is used inside loops or switch statement. The break statement breaks the loop one by one.

Syntax: break;

5. Strcmp (String Comparison) : The strcmp() function is used to compare two strings two strings str1 and str2 . If two strings are same then strcmp() returns 0 , otherwise, it returns a non-zero value. This function compares strings character by character using ASCII value of the characters.

Syntax: strcmp(str1,str2);

6. If – else Statement: The if-else statement in C is used to perform the operations based on some specific condition. The operations specified in if block are executed if and only if the given condition is true.

7. Arrays : An array is a variable that can store multiple values. For example, if you want to store 100 integers, you can create an array for it.

Syntax: int array[100];

EXPECTED OUTPUT:

Fig 4.1.1

4.2 CODING:

Fig 4.2.1

Fig 4.2.2

4.3 OUTPUT:

Fig 4.3.1

5. PROBLEM 4: GUESS THE TOSS OF A COIN

This Program is based on Heads or Tails that lets the user guess whether the flip of a coin results in heads or tails. The Program randomly generates an integer 0 or 1 which represents head or tail. The Program prompts the user to guess and reports whether the guess is correct or incorrect.

5.1 CONCEPTS USED:

1. srand(): The srand() function sets the starting point for producing a series of pseudorandom integers. If srand() is not called, the rand() seed is set as if srand(1) were called at program start. Any other value for seed sets the generator to a different starting point.

Syntax: void srand(unsigned rand)

2. rand() : rand() function is used in C to generate random numbers. If we generate a sequence of random number with rand() function, it will create the same sequence again and again every time program runs. Say if we are generating 5 random numbers in C with the help of rand() in a loop, then every time we compile and run the program our output must be the same sequence of numbers.

Syntax : int rand(void)

3. If – else statement: The if-else statement in C is used to perform the operations based on some specific condition. The operations specified in if block are executed if and only if the given condition is true.

EXPECTED OUTPUT:

```
## Company of the Com
```

Fig 5.1.1

5.2 CODING:

```
1 #include<stdio.h>
 2 #include<stdlib.h>
 3 #include<time.h>
 4 int main ()
4 int main ()
50 {
6 int number,guess;
7 srand ( time(NULL) );
8 //To get numbers between 0 and 1
9 number = rand() % 2;
10 printf("Guess 1 for tail or 0 for head\n");
11 scanf("%d",&guess);
12 printf("Result of toss is\n");
13 if(number==0)
12
13
14 =
15
        if(number==0)
          printf("Head\n");
17
        else
18 =
19
20 -
          printf("Tail\n");
21
        printf("You guessed\n");
22
        if(guess==0)
23 🖨
          printf("Head\n");
24
```

Fig 5.2.1

Fig 5.2.2

5.3 OUTPUT:

Fig 5.3.1

6. PROBLEM 5: ATM MACHINE

This problem enables the customer to Deposit amount to the bank account. Also the customer can withdraw amount and also can check balance in the Account.

6.1 CONCEPTS USED:

1. while loop: A while loop is a control flow statement that allows code to be executed repeatedly based on a given Boolean condition. The while loop can be thought of as a repeating if statement.

2. Do- while loop : A do while loop is similar to while loop with one exception that it executes the statements inside the body of do-while before checking the condition.

3. Switch Statement : A Switch Statement allows a variable to be tested for equality against a list of values. Each value is called a case, and the variable being switched on is checked for each switch case.

4. Break statement : The break is a keyword in C which is used to bring the program control out of the loop. The break statement is used inside loops or switch statement. The break statement breaks the loop one by one.

Syntax : break;

5. If statement: The if-else statement in C is used to perform the operations based on some specific condition. The operations specified in if block are executed if and only if the given condition is true.

6. Logical Operator OR (||): The logical-OR operator performs an inclusive-OR operation on its operands. The result is 0 if both operands have 0 values. If either operand has a nonzero value, the result is 1. If the first operand of a logical-OR operation has a nonzero value, the second operand is not evaluated.

EXPECTED OUTPUT:

Fig 6.1.1

```
PLEASE COLLECT CASH
YOUR CURRENT BALANCE IS 900
DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):

Y***Welcome to ATM Service***

1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit

Enter your choice: 3
ENTER THE ANDOTHER TRANSCATION?(y/n):

Y****Welcome to ATM Service***

1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit

1. Check Balance
2. Withdraw Cash
3. Deposit Cash
4. Quit

Enter your choice: 4
THANK U FOR USING ATM
DO U WISH TO HAVE ANOTHER TRANSCATION?(y/n):

THANK U FOR USING OUT ATM SERVICE

Process exited after 33.58 seconds with return value 33
Press any key to continue . . .
```

Fig 6.1.2

6.2 CODING:

```
1 #include <stdio.h>
         unsigned long amount=1000, deposit, withdraw;
         int choice, pin, k;
char transaction ='y';
 3
 4
5
6
7
8
9
         void main()
              while (pin != 1520)
                   printf("ENTER YOUR SECRET PIN NUMBER:");
                   scanf("%d", &pin);
if (pin != 1520)
printf("PLEASE ENTER VALID PASSWORD\n");
10
11
12
13
14
15
              do
                   16
17
18
19
20
21
                   printf("Enter your choice: ");
scanf("%d", &choice);
switch (choice)
22
23
24
```

Fig 6.2.1

```
25 🛱
26
27
28
                     case 1:
                               printf("\nYOUR BALANCE IN Rs : %lu ", amount);
                               break;
29
                     case 2:
                               printf("\nENTER THE AMOUNT TO WITHDRAW: ");
scanf("%lu", &withdraw);
if (withdraw % 100 != 0)
30
31
32
33 b
                                     printf("\nPLEASE ENTER THE AMOUNT IN MULTIPLES OF 100");
35
36
                               else if (withdraw >(amount - 500))
37 ₽
                                printf("\nINSUFFICENT BALANCE");
38
39
40
                               else
41
                               amount = amount - withdraw;
printf("\nPLEASE COLLECT CASH");
printf("\nYOUR CURRENT BALANCE IS %lu", amount);
42
43
44
45
46
                               break:
47
                     case 3:
                               printf("\nENTER THE AMOUNT TO DEPOSIT : ");
```

Fig 6.2.2

```
46
                                         break;
47
48
49
                           case 3:
                                         printf("\nENTER THE AMOUNT TO DEPOSIT : ");
scanf("%lu", &deposit);
amount = amount + deposit;
printf("YOUR BALANCE IS %lu", amount);
50
51
52
53
54
55
                           case 4:
                                         printf("\nTHANK U FOR USING ATM");
                                         break;
56
                           default:
57
                                         printf("\nINVALID CHOICE");
58
                           printf("\nDO U WISH TO HAVE ANOTHER TRANSCATION?(y/n): \n");
fflush(stdin);
scanf("%c", &transaction);
if (transaction == 'n'|| transaction == 'N')
59
60
61
62
63
                                               k = 1;
64
                    while (k==0);
printf("\nTHANKS FOR USING OUT ATM SERVICE");
65
66
67
```

Fig 6.2.3

6.3 OUTPUT:

Fig 6.3.1

Fig 6.3.2

7. SOFTWARE REQUIREMENTS

7.1 Hardware Requirements: This Project can be executed in any system or an android phone without prior to any platform. We can use any Online Compiler and Interpreter.

7.2 Software Requirements:

There are two ways to execute these projects

- 1. Online Compiler
- 2. Software for execution (Dev C++,CodeBlocks..)

Online compilers require only Internet Connection. We have many free Compilers with which we can code.

Software for execution need to be installed based on the user's system specification. These help us to completely execute the project. These softwares are based on the platforms.

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