Problem 1.

Source code:

```
#Using loop

print("Multiplication Table:")
m =int(input("How many rows: "))
p =int(input("How many cols: "))
for i in range(1, m + 1):
    for x in range(1, p + 1):
        print(f"{i*x}",end="\t")
    print()
```

Sample output:

```
Multiplication Table:
How many rows: 10
How many cols: 4
1    2    3    4
2    4    6    8
3    6    9    12
4    8    12   16
5    10   15   20
6    12   18   24
7    14   21   28
8    16   24   32
9    18   27   36
10   20   30   40
```

Sample 2

 Source code

```python
# 2
def bal(balance):
    print(f"Your balance is ${balance}")

def dep(balance):
    amount = float(input("Enter an amount to be deposit: "))
    balance += amount
    print(f"Deposited ${amount}")
    return balance
def wid(balance):
    amount = float(input("Enter amount to be withdraw: "))
    if amount <= balance:
        balance -= amount
        print(f"Withdraw ${amount}")
    else:
        print("Insuffucient funds")
    return balance
def header():
    balance = 0.00
    while True:
        print("*********************")
        print("      ABCCDE TEAM     ")
        print("*********************")
        print("1. Show Balance")
        print("2. Deposit")
        print("3. Withdraw")
        print("4. Exit")

        choice = int(input("Enter your choice (1-4):"))
        if choice == 1:
            bal(balance)
        elif choice == 2:
            balance =dep(balance)
        elif choice == 3:
            balance =  wid(balance)
        elif choice == 4:
            print("4.Exit")
            break
        else:
            print("Invalid")

header ()
```

Sample output:

```
********************
      ABCCDE TEAM
********************
1. Show Balance
2. Deposit
3. Withdraw
4. Exit

Enter your choice (1-4):1
Your balance is $0.0
********************
Enter your choice (1-4):2
Enter an amount to be deposit: 1000
Deposited $1000.0

Enter your choice (1-4):3
Enter amount to be withdraw: 500
Withdraw $500.0

Enter your choice (1-4):4
4.Exit
```