```python
# Functions for basic arithmetic opeartions


def add(a,b):
  return a+b
def subtract(a,b):
  return a-b
def multiply(a,b):
  return a*b
def divide(a,b):
  if b == 0:
    return "Error! Division by zero."
    return a/b



# User input
```

```python
print("Select opeartion:")
print("1. Add")
print("2. Subtract")
print("3. Multiply")
print("4. Divide")
choice = input("Enter choice (1/2/3/4): ")
num1 = float(input("Enter first number: "))
num2 = float(input("Enter second number: "))
if choice == '1':
  print("Result:", add(num1, num2))
elif choice == '2':
  print("Result:", subtract(num1,num2))
elif choice == '3':
  print("Result:", multiply(num1,num2))
elif choice == '4':
  print("Result:", divide(num1,num2))
else:
  print("Invalid input")
```

```
Select opeartion:
    1. Add
    2. Subtract
    3. Multiply
    4. Divide
    Enter choice (1/2/3/4): 4
    Enter first number: 5
    Enter second number: 0
    Result: Error! Division by zero.
```