```python
'''Write a function that take 12 hours format and returns
Arguments of function (time-only hours and minutes, bool t

def convert_to_24_hour_format(hours, minutes, is_am):
    if is_am:
        if hours == 12:
            hours = 0
    else:
        if hours != 12:
            hours += 12
    return f"{hours:02d}:{minutes:02d}"
hours = int(input("Enter the hour (in 12-hour format): "))
minutes = int(input("Enter the minutes: "))
am_pm = input("Enter AM or PM: ").lower() == 'am'
result = convert_to_24_hour_format(hours, minutes, am_pm)
print("Time in 24-hour format:", result)
```

```
input

Enter the hour (in 12-hour format): 8
Enter the minutes: 15
Enter AM or PM: pm
Time in 24-hour format: 20:15


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
#Wrire a function to return ASCII value of a character

def get_ascii(character):
    return ord(character)
char = input("enter character:")
ascii_value = get_ascii(char)
print(f"The ASCII value of '{char}' is {ascii_value}")
```

```
enter character:S
The ASCII value of 'S' is 83


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
'''Write a program to print subscription price after discount
students get 10% discount Others get 5% discount.
If first purchase gets additional 5% discount'''

def calculate_price(price, is_student, is_first_purchase):
    discount = 0.05 if is_student else 0.1
    if is_first_purchase:
        discount += 0.05
    discounted_price = price - (price * discount)
    return discounted_price
price = float(input("Enter the subscription price: "))
is_student = input("Are you a student? (yes/no): ").lower() ==
is_first_purchase = input("Is this your first purchase? (yes/no
final_price = calculate_price(price, is_student, is_first_purch
print("Final price after discount:", final_price)
```

```
Enter the subscription price: 199
Are you a student? (yes/no): Yes
Is this your first purchase? (yes/no): Yes
Final price after discount: 179.1


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
#wap to convert kms to mts using lambda function

kms_to_meters = lambda kms: kms * 1000
kilometers = float(input("Enter distance in kilometers: "))
meters = kms_to_meters(kilometers)
print(f"{kilometers} kilometers is equal to {meters} meters.")
```

input

```
Enter distance in kilometers: 12
12.0 kilometers is equal to 12000.0 meters.


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
'''A shopping bag can hold 10 kgs. Write a function
to take list that contain weights of items and return
number of bags required to pack the items'''



def bags_required(item_weights, bag_capacity):
    total_weight = sum(item_weights)
    bags = total_weight // bag_capacity
    if total_weight % bag_capacity != 0:
        bags += 1
    return bags
item_weights = [ 20, 7, 2, 4]
bag_capacity = 10
num_bags = bags_required(item_weights, bag_capacity)
print(f"Number of bags required: {num_bags}")
```

```
Number of bags required: 4


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
''' Write a program to check whether a word contains
character or not'''

def contains_special_character(word):
    special_characters = "#@&!"
    for char in word:
        if char in special_characters:
            return True
    return False
word = input("Enter a word: ")
if contains_special_character(word):
    print("The word contains special characters.")
else:
    print("The word does not contain special charact
```

```
Enter a word: interncall
The word does not contain special characters.


...Program finished with exit code 0
Press ENTER to exit console.
```

```python
#write a function to print sum of digits in a number
def sum_of_digits(number):
    sum = 0;
    for char in number:
        if char.isdigit():
            sum+=int(char)
    print("Sum of the num:",sum)
number=sum_of_digits(input("enter a num:"))
```

```
enter a num:579
Sum of the num: 21


...Program finished with exit code 0
Press ENTER to exit console.
```

main.py

```python
class Student:
    def __init__(self, name, a
        self.name = name
        self.age = age

class Marks(Student):
    def __init__(self, name, a
        super().__init__(name,
        self.marks = marks

    def display_details(self):
        print("Student Name:",
        print("Student Age:",
        print("Student Marks:"
```
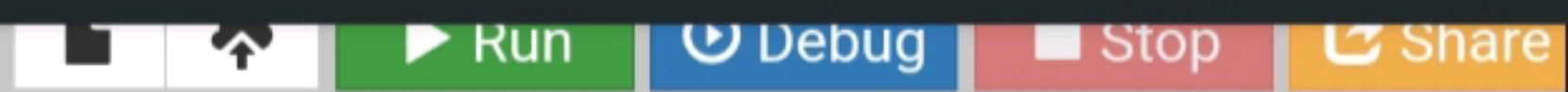
input

```
Student Name: Alice
Student Age: 20
Student Marks: (85, 90, 95)


...Program finished with exit code 0
Press ENTER to exit console.
```
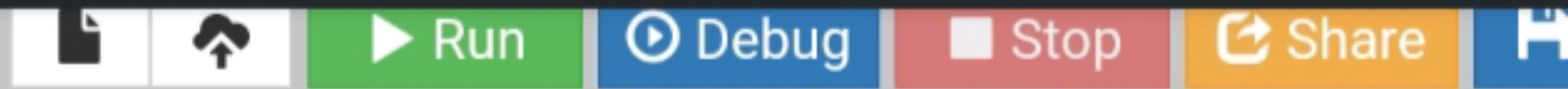
```python
start = 1
end = 10
odd_nums = list(filter(lambda x
print("Odd numbers within the r
```

Odd numbers within the range: [1, 3, 5, 7, 9]

...Program finished with exit code 0
Press ENTER to exit console.

```python
#Write a program to update dictio

mydict={'Name': "bunny", 'Age': "

new_key=input("Enter Key:")

new_value=input("Enter Value:")

mydict[new_key]=new_value

print("The Updated Dictionary is:
```

```
Enter Key:bunny
Enter Value:21
The Updated Dictionary is:
 {'Name': 'bunny', 'Age': '21', 'bunny'
: '21'}

...Program finished with exit code 0
Press ENTER to exit console.
```