```
# 1. Write program to convert kms to meters using lambda function.
km_to_m = lambda km: km * 1000
print(km_to_m(5))
```

```
5000
```

```
# 2. Write a function to print sum of digits in a number.
def sum_of_digits(n):
    print(sum(int(digit) for digit in str(abs(n))))

sum_of_digits(123)
```

```
6
```

```
# 3. Write a function to return ASCII value of a character.
def get_ascii(char):
    return ord(char)

print(get_ascii('A'))
```

```
65
```

```
# 4. A shopping bag can hold 10 kgs. Write a function to take list that contain
import math
def bags_needed(weights):
    return math.ceil(sum(weights) / 10)

print(bags_needed([3, 5, 8, 2, 4]))
```

```
3
```

```
# 5. Class Student inherited by Marks with name, age, *marks, and display metho
class Student:
    def __init__(self, name, age):
        self.name = name
        self.age = age

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

    def display_details(self):
        print(f"Name: {self.name}, Age: {self.age}, Marks: {self.marks}")

obj = Marks("Sree", 20, 85, 90, 88)
obj.display_details()
```

```
Name: Sree, Age: 20, Marks: (85, 90, 88)
```

```python
# 6. Write a program to check whether a word contains special character or not
import re
word = "Python@Azure"
has_special = bool(re.search(r'[^a-zA-Z0-9\s]', word))
print(has_special)
```

```
True
```

```python
7. Print subscription price: Student(10%), Others(5%), plus 5% for first purcha
f calculate_price(base_price, is_student, is_first_purchase):
  discount = 0.10 if is_student else 0.05
  if is_first_purchase:
      discount += 0.05
  return base_price * (1 - discount)

int(calculate_price(1000, True, True))
```

```
850.0
```

```python
# 8. Print odd numbers using filter(), lambda, and range().
odd_nums = list(filter(lambda x: x % 2 != 0, range(1, 20)))
print(odd_nums)
```

```
[1, 3, 5, 7, 9, 11, 13, 15, 17, 19]
```

```python
# 9. Convert 12-hour format (hours, minutes, AM/PM) to 24-hour format.
def convert_to_24h(hours, minutes, is_pm):
    if is_pm and hours != 12:
        hours += 12
    elif not is_pm and hours == 12:
        hours = 0
    return f"{hours:02d}:{minutes:02d}"

print(convert_to_24h(2, 30, True))
```

```
14:30
```

```python
# 10. Write a program to update a dictionary.
data = {"course": "Python", "cloud": "AWS"}
data.update({"cloud": "Azure"})
print(data)
```

```
{'course': 'Python', 'cloud': 'Azure'}
```