Name: Swapnil Santosh Sutar

① →
```python
n = int(input("Enter the percentage))
If n > 90:
    print(" A ")
elif n <= 90 and n > 80:
    print(" B")
elif n < 80 and n >= 60:
    print(" C")
else:
    print("D ")
```

② →
```python
n = int(input("Enter the cost price of bike"))
If n > 100000:
    print(" Road tax to be paid is 15% ")
elif n <= 100000 and n > 50000:
    print(" Road tax to be paid is 10%")
else:
    print(" Road tax to be paid is 5% ")
```

③ →
```python
l = {"Delhi":"Red fort", "Agra":"Taj Maha",
     "Jaipur":" Jai Mahal"}
n = input("enter the city = ")
print(" monument of the city", n, "is =", l[n])
```

④ →
```python
n = int(input(" Enter the number"))
count = 0
while n > 10:
    n = n/3
    count += 1
print(count)
```

⑤ → Python while loop is used to run a block code until a certain condition is met.
program to display numbers from 1 to 5
```python
i = 1
n = 5
While i <= n:
    print(i)
```

⑥ → i)

```
1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
```

```
n = int (input (" Enter the number"))
i = 1
for i in range(n):
    for j in range(i):
        print (i, end =" ")
    print (' ')
```

Or

```
n = int(input (" Enter the number))
i = 1
j = 1
while i <= n:
    while j <= i:
        print (i, end =" ")
        j = j + 1
    print ("  ")
    j = 1
    i = i + 1
```

ii)

```
*
* *
* * *
* * * *
* * * * *
```

```
n = int(input (" Enter the number))
i = 1
j = 1
while i <= n:
    while j <= i:
```

```
            print ("*", end =" ")
            j = j + 1
    print (" ")
    j = 1
    i = i + 1
```

iii)

```
* * * * *
* * * *
* * *
* *
*
```

```
n = int (input (" Enter the number ="))
i = 1
j = n
while i <= n :
    while j >= i :
        print (" * ", end =" ")
        j = j + 1
    print (" ")
    j = n
    i = i + 1
```

⑦ →
```
i = 10
while i >= 1 :
    print (i)
    i -= 1
```

⑧ →
```
i = 10
while i >= 1 :
    print (i)
    i = i - 1
```