

Assignment - 2

Program:

Ans 1

```
def fun(st, end, key):
```

```
    A = set()
```

```
    for i in range(st, end+1):
```

```
        A.add(i)
```

```
    print("Set A is:", A)
```

```
    if key in A:
```

```
        print(key, "is present in set A")
```

```
    else
```

```
        print(key, "is absent in set A")
```

```
a = int(input("Enter starting point of the range:"))
```

```
b = int(input("Enter end point of the range:"))
```

```
n = int(input("Enter the element to find:"))
```

```
fun(a, b, n)
```

Enter string starting point of the range : 21

Enter end point of the range : 50

Enter the element to find : 34

Set A is : {21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36,
37, 38, 39, 40, 41, 42, 43, 44, 3}

OUTPUT :- 34 is present in set A

Ans 2

```
num = int(input("Enter how many cards you have"))
```

```
num1 = num // 2
```

```
print(num1)
```

Enter how many cards you have 23

11

Ans 3

```
userno = int(input("Enter a positive number:"))  
import random  
print("A" * random.randint(0, userno+10))  
Enter positive number: 9  
AAAAAAAAAA
```

Ans 4

```
starting_hour = int(input("Enter the starting hour"))  
ending_hour = int(input("Enter the ending hour"))  
if starting_hour < ending_hour:  
    hours_worked = (ending_hour - starting_hour)  
    total_amount = (5.50 * hours_worked)  
    print("The total bill of the user: ", '$', total_amount)  
else:  
    print("Not exit")
```

Enter the starting hour 10

Enter the ending hour 19

The total bill of the user : \$49.5

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