7:33

Coding Python

Ex: 3

RUN MENU

Auto saved at 19:32:37

```
1 sum = 0
2 n = int(input("Enter a number:"))
3 i = 1
4 while i <= n:
5     sum = sum+i
6     i = i+1
7     print("The sum of natural numbers up to", n, "is", sum)
```

```
Enter a number:10
The sum of natural numbers up to 10 is 1
The sum of natural numbers up to 10 is 3
The sum of natural numbers up to 10 is 6
The sum of natural numbers up to 10 is 10
The sum of natural numbers up to 10 is 15
The sum of natural numbers up to 10 is 21
The sum of natural numbers up to 10 is 28
The sum of natural numbers up to 10 is 36
The sum of natural numbers up to 10 is 45
The sum of natural numbers up to 10 is 55

[Process completed - press Enter]
```


```
Areeba
Alisha
Fatima
Anum

[Process completed - press Enter]
```


```
Enter a number:5
1
2
3
4
5
6
7
8
9
10

[Process completed - press Enter]
```

Coding Python

Auto saved at 18:10:46

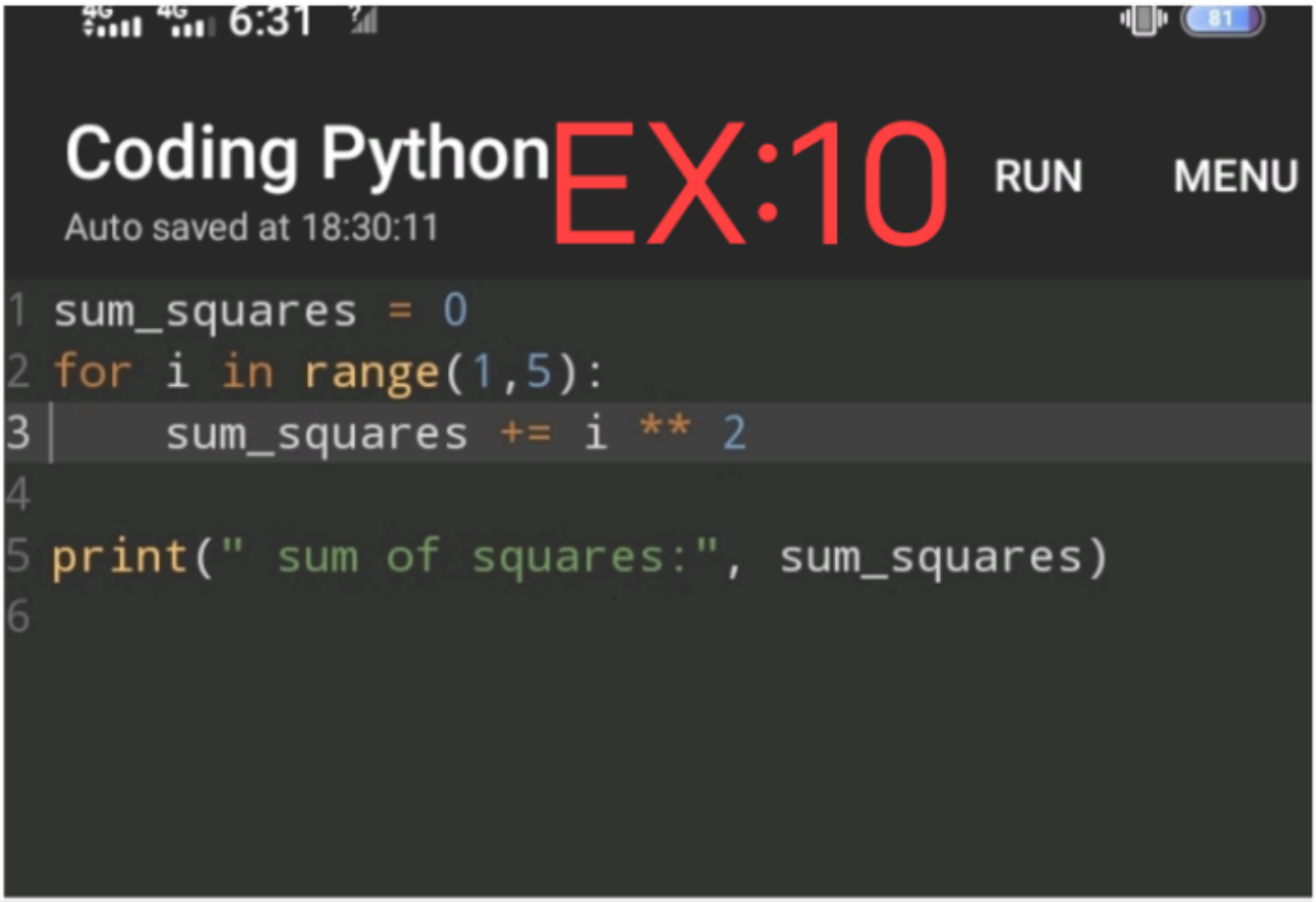
Ex:8

RUN

```
1 sentence = input("enter a string:")
2 vowel_count=0
3 vowel= "aeiou"
4 for i in sentence:
5     if i in vowel:
6         vowel_count = vowel_count+1
7 print("total vowel_count:",vowel_count)
8
```

```
enter a string:my name is areeba
total vowel_count: 7

[Process completed - press Enter]
```



Compile Result

```
 sum of squares: 30

[Process completed - press Enter]
```

Coding Python

Auto saved at 18:47:43

Ex:6

RUN MENU

```
1 n = 10
2 a = 0
3 b = 1
4 count = 0
5 while count < n:
6     print(a)
7     temp = a
8     a = b
9     b = temp+b
10    count +=1
```

Compile Result

```
0
1
1
2
3
5
8
13
21
34

[Process completed - press Enter]
```

Coding Python

Auto saved at 21:32:20

RUN MENU

Ex:7

```python
number = 12345
reversed_number = 0
while number > 0:
    digit = number % 10
    reversed_number = reversed_number * 10 + digit
    number //= 10

print("The reversed number is", reversed_number)

```

Compile Result

```
The reversed number is 54321

[Process completed - press Enter]
```

Coding Python

Auto saved at 22:18:33

Ex:5

RUN MENU

```
1 N= int(input("Enter a number: "))
2 fact=1
3 for i in range(1, N+1):
4     fact=fact*i
5 print("factorial N is: ",fact)
```

Compile Result

```
Enter a number: 5
factorial N is:  120

[Process completed - press Enter]
```

Ex:9

```python
i=int(input("enter a num:"))
rev=0
x=i

while (i>0):
    rev=(rev*10)+i%10
    i=i//10
if(x==rev):
    print("palindrome num")
else:
    print("not palindrome")
```

```
enter a num:525
palindrome num

[Process completed - press
```


10:44
Coding Python
Ex:2
RUN
MENU
Auto saved at 22:44:10
num = 5;
for i in range(1, 11):
print(num, 'x', i, '=', num * i)
5 x 1 = 5
5 x 2 = 10
5 x 3 = 15
5 x 4 = 20
5 x 5 = 25
5 x 6 = 30
5 x 7 = 35
5 x 8 = 40
5 x 9 = 45
5 x 10 = 50
[Process completed - press Enter]