

```
for i in range(10):  
    print("2 *", (i), "=", 2*(i+1))
```

- displays table of 2
- syntax error
- displays table of 10
- none of the above

```
1 import random  
2 while (1):  
3     r=random.randint(1,6)  
4     if (r%2==0):  
5         print('rolling')  
6         break  
7     else:  
8         print('rolling')
```

- Rolling a dice once
- Rolling a dice infinite times
- Rolling a dice repeatedly till an odd number is encountered
- Rolling a dice repeatedly till an even number is encountered

With n as input, the code below computes

```
1 def mul(num):  
2     if (num==1):  
3         return (-1)  
4     return (-1*mul(num-1))  
5  
6 n=int(input("Enter the value of n"))  
7 print(mul(n))
```

- ☐ $-1 \times n$
- ☐ $-1 + n$
- ☐ $(-1)^n$
- ☐ $n^{(-1)}$

What does the following code do?

```
def guess(num):  
    a=input("Guess a number")  
    if (a==num):  
        print("SUCCESS")  
    else:  
        guess(num)  
  
guess(10)
```

```
import random  
def guess(num):  
    a=int(input("Guess a number from 1 to 100"))  
    print(a,num)  
    if (a==num):  
        print("SUCCESS")  
    else:  
        guess(random.randint(1,100))  
  
i=guess(random.randint(1,100))
```

It keeps asking the user to guess a number until the user guesses 10

The computer generates a random number r and keeps it. The user is repeatedly prompted to enter a number. If the user enters r , the code says success and ends, else the prompting is continued.

DEEPAN P

What does the following code do?

```
def guess(num):  
    a=input("Guess a number")  
    if (a==num):  
        print("SUCCESS")  
    else:  
        guess(num)  
guess(10)
```

```
import random  
def guess(num):  
    a=int(input("Guess a number from 1 to 100"))  
    print(a,num)  
    if (a==num):  
        print("SUCCESS")  
    else:  
        guess(random.randint(1,100))  
i=guess(random.randint(1,100))
```

- Keeps asking the user to guess a number until the user guesses 10
- The computer generates a random number r and keeps it. The user is repeatedly prompted to enter a number. If the user enters r , the code says success and ends, else the prompting is continued.
- Enters an infinite loop
- The computer generates a random number r and keeps it. The user is repeatedly prompted to enter a number. If the user enters r , the code says success and ends, else the computer generates a new random number r and thereafter the prompting is continued.