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Q.1	Write a swift program that take a num as input form the user and check wether it is even or odd.
Q.2	Write a swift program that take a user age as input and print whether there are (age<18),and adult(18-59),or senior (60+).
Q.3	Write a swift program that takes an integer input from the user and print the 1add and mul
Q.4	Write a swift program that ask the user to enter number one by one until the enter 0 then print the sum of all the number input by the user.
Q.5	Write a swift program calculate area of circle and radius given by the user.
Q.6	Create a one array num=[10,34,55,32,2,12] find maximum number
Q.7	**Find the minimum number.**
Q.8	**Calculate sum of all number.**
Q.9	**Find the average**
Q.10	**Find array index.**

Ans.1	

```swift
import Foundation

print("Enter the num:")
var num=Int(readLine()!)!

if num%2==0{
    print("Even")
}
else{
    print("Odd")
}
```

Output	**Even** **Enter the num:** 6 **Even** **Program ended with exit code:** **0**
| Ans.2 | ```swift
import Foundation

print("Enter the age:")
var age=Int(readLine()!)!

if age<18
{
    print("Child")
}
else if(age>18 && age<59)
{
    print("adult")
}
else
{
    print("senior")
}
``` |

```
Enter the age:
30
adult
Program ended with exit code:
0
```

```swift
import Foundation

print("Enter your M num:")
var m=Int(readLine()!)!
print("Enter your N num:")
var n=Int(readLine()!)!

for n in 1...n{
    print(m,"*",n,"=",m*n)
}
```

```
Enter your M num:
5
Enter your N num:
3
5 * 1 = 5
5 * 2 = 10
5 * 3 = 15
Program ended with exit code:
0
```

Ans.4

```swift
import Foundation


var sum=0

repeat{
    print("Enter the n:")
    var n=Int(readLine()!)!
    if n==0{
        break
    }
    sum=sum+n
}while(true)
print("Sum is:",sum)
```

```
Enter the n:
6
Enter the n:
7
Enter the n:
9
Enter the n:
2
Enter the n:
0
Sum is: 24
Program ended with exit code:
0
```

Ans.5

Output

Ans.6

```swift
import Foundation

var
n:Array=[10,34,55,32,2,12]
print(n)
print(n.max())
```

Output

```
[10, 34, 55, 32, 2, 12]
Optional(55)
Program ended with exit code:
0
```

| Ans.7 | ```swift
import Foundation

var n:Array=[10,34,55,32,2,12]
print(n)
print(n.min())
``` |
| Output | ```
[10, 34, 55, 32, 2, 12]
Optional(2)
Program ended with exit code:
0
``` |
Ans.8	
Output	
Ans.9	
Output	
| Ans.10 | ```swift
import Foundation

var n:Array=[10,34,55,32,2,12]
print(n)
print("Length of the
array:",n.count)
``` |
| Output | ```
[10, 34, 55, 32, 2, 12]
Length of the array: 6
Program ended with exit code:
0
``` |