

DS_2303		MCQ	Assignment no 1
1.	c) 15 Reason: The above function basically calculates the GCD of two numbers recursively. The GCD of 30 and 75 is 15.		
2.	c) Filter code defines a tuple numbers with some values It then sorts the tuple using the sorted () function and assigns the sorted result to a new variable sorted_numbers Lambda function gives even number from it. Code applies the filter () function to sorted_numbers and even function . Code prints the type of the even_numbers variable, which is class filter		
3.	a) Tuple *args are stored in Python as a tuple.		
4.	d) Error Unsupported operand type(s) for +: 'set' and 'set'.		
5.	a) raise Only integers are allowed.		
6.	c) datetime Python does not have a data type for dates , but we may import the datetime module to work with dates as date objects.		
7.	c) 208 $(4**3 + (7 + 5)**(1 + 1)) = 4^3 + 12^2 = 64 + 144 = 208$		
8.	c) both a and b Two built-in methods in the Python datetime module, strptime () and strftime () , aid in the conversion or parsing of the time string into an object and the Python string time into a Date Time object.		
9.	b) Immutable The value cannot be changed.		
10.	C. range() Range () is a built-in method that returns an object that consists of a sequence of integer numbers that may be iterated using a for loop .		
11.	C. Lamda function Lambda keyword is used to define an anonymous function in Python.		
12.	C. Both A and B		
13.	B. dump() method		
14.	A. load()		
15.	D. All of the mentioned above Only textual information, which may be represented by letters, numbers, and other unique symbols, is contained in text files.		
16.	d) Both a and b		

17.	d) captains = { }
18.	c) captains = { Enterprise": "Picard", Voyager": "Janeway", Defiant": "Sisko", }
19.	b) for ship, captain in captains.items(): print(f"The {ship} is captained by {captain}.")
20.	c) del captains["Discovery"]