Topic	What	Why	When	How	Example
Local Variable					
Global Variable					
data types					
assignment operator					
arithmetic operator					
Comparison operators					
method					
object of class					
if...else statement					
for loop					
Nested for loop					
while loop					
do while loop					
break					
continue					
logical operator					
Parameter Passing					
String					
String comparison					
Substring					
String class methods					
Return Value					
Static variable					
Static method					
Constructor					

Topic	What	Why	When	How	Example
Access modifiers					
Inheritance					
Method overloading					
Polymorphism					
Method overriding					
Encapsulation					
Abstraction					
Interfaces					
Array					
Collections					
ArrayList					
Collection (List)					
Conversions					
Set					
Iterator					
Exception Handling					
throw & throws					
Scanner (user input)					
For each					
final keyword					
this keyword					

Topic	What	Who	When	How	Example
Super keyword	Super keyword always refers to parent class objects/methods. It's used to call the method from parent class.	super can be used to refer immediate parent class instance variable. Super can be used to invoke immediate parent class method.	when we need to access parent class data and method using child class object and that time we use super keyword.	super. super.method_Name() super.variable_Name	For variable :- class Animal{ String color="white"; } class Dog extends Animal{ String color="black"; void printColor(){ System.out.println(color); System.out.println(super.color); } } class TestSuper1{ public static void main(String args[]){ Dog d=new Dog(); d.printColor(); }} 2.For method:- class Animal{ void eat(){ System.out.println("eating..."); } } class Dog extends Animal{ void eat(){ System.out.println("eating bread..."); } void bark(){ System.out.println("barking..."); } void work(){ super.eat(); bark(); } } class TestSuper2{ public static void main(String args[]){ Dog d=new Dog(); d.work(); }}

Data	Max	Min	Mins	Avg	Formula

Date	When	Who	What	How	Expense

Topic	What	Why	When	How	Example
Invoke Driver					
Open Web page					
locators					
Xpath					
findElement()					
WebElement					
click()					
sendKeys()					
wait					
implicit wait					
explicit wait					
Thread.sleep()					
Locators Methods					
1.contains()					
2.text()					
3.starts-with()					

Topic	What	Why	When	How	Example																											

Topic	What	Why	When	How	Example

Topic	What	Why	When	How	Example

Topic	What	Why	When	How	Example

#	Task
1	Create new class and create new local variable and global variable. Create new methods : addition, substraction, division and multiplication and perform operations on local variable
2	Create new class and create two local variables. perform comparison operations on it.
3	Create new class and declare different data types local variables and global variable. print the local variables and global variables
4	Create new class and create two variables. perform addition, substraction, division, multiplication and modules operations on integer and float numbers.
5	Create new class and create variables of different data type and print the variables
6	Create new class and print the even numbers from 1 to 10
7	Create new class and print the odd numbers from 20 to 1
8	Create new class and print the following pattern * * * * * *
9	Create new class and print the following pattern * * * * * *
10	Create new class and print the following pattern * * * * * * * *
11	Create new class and print the numbers from 1 to 20. But while printing the numbers - if number is divisible by 3 then print "fizz" instead of number - if number is divisible by 5 then print "buzz" instead of number - if number is divisible by 3 and 5 then print "FizzBuzz" instead of number
12	Write a program to print numbers from 1 to 10.
13	Write a program to calculate the sum of 1 to 10 number.
14	Write a program to reverse the given number. For example, if the input is 12345, the output should be 54321 Write a program to print numbers from 1 to 10 using do-while loop. 5. Write a program to calculate the sum of 1 to 10 number using do while loop. 6. Write a program to reverse the given number. For example, if the input is 12345, the output should be 54321 using for loop 7. Write a program to print numbers from 1 to 10 using for loop. 8. Write a program to calculate the sum of 1 to 10 number using for loop. 1. int arr[] = {1, 2,4,7,9,5,8,6,12,15,11,10}; Print this array in acsending order. 2. int arr[] = {0,1,0,0,1,0,1,1,0,1} Print all the 0's at left side and 1's at right side for example : 0,0,0,0,0,1,1,1,1,1 3. String arr[] = {"Pune", "Mumbai", "Nagpur", "Bangalore"}; Sort the array alphabetically. 4. String arr[]; Add 5 values in array and print it.