1. Datatype Conversion and Operator Precedence Basics

Sl	Python Code	Output	Sl	Python Code	Output
1.1	print (“Hello”)		1.2	print (4+5.5)	
1.3	x, y = 6, 10		1.4	print (x - y)	
1.5	print (x + y)		1.6	print (x * y)	
1.7	print (x**2)		1.8	print (y ** x)	
1.9	print (y / 3)		1.10	print (x % y)	
1.11	print (y // 3)		1.12	print (y % x)	
1.13	print (y % y)		1.14	print (y / y)	
1.15	print (-5 / 2)		1.16	print (-5 // 2)	
1.17	print (y > x)		1.18	print (x > y)	
1.19	print (y == x)		1.20	print (y != x)	
1.21	print (y >= x)		1.22	print (x <= y)	
1.23	a = True b = False		1.24	print (a) print (“b”)	
1.25	print (a and b)		1.26	print (a or b)	
1.27	print (a and not b)		1.28	print (not a)	
1.29	y = x		1.30	print (x)	
1.31	print (y)		1.32	x -= 2	
1.33	x = x + 2		1.34	x //= 1	
1.35	print (x)		1.36	print (x != y and a)	
1.37	print (x*y**2)		1.38	print (x+5*4%2-1)	
1.39	print (x == y*2//2 - 2**(2-1))		1.40	print (x – ((x+y%2) *3)//2)	

2. Printing Variations

Sl	Python Code	Output
2.1	print (“Hello”+ “Hi”)	
2.2	print (“Hello”+ “ ”+ “Hi”)	
2.3	print (“Hello”, end= “”) print (“Hi”)	
2.4	print (“Hello”, Hi”)	
2.5	print (“Hello”) print (“Hi”)	
2.6	print (“Hello”, “Hi”, end= 5) print(“Yo”)	
2.7	print (“Hi” + 5)	
2.8	print (“Hi” + str(5))	
2.9	x=5 print (6 + int(x))	
2.10	print (“Hi” * 3)	

3. User Input

Sl	Python Code	Output
3.1	name = input (“Enter your name”) print (type(name))	
3.2	age = input (“Enter age”) print (type(age))	
3.3	cgpa = float (input ( )) print(type(cgpa))	

4. Coding Problems

4.1 Take the name, student id and CGPA of a student and print the information in the way shown in the output.

Your Code	Sample Input	Sample Output
	Afnan 23301519 3.9	Name: Afnan Student ID: 23301519 CGPA: 3.9

4.2 Take the first name, last name, age and CGPA of a student. Change the last name to “Rahman”. Subtract 2 from the age and add 0.25 with the CGPA. Finally print the information in the way shown in the output.

Your Code	Sample Input	Sample Output
	First Name: Labiba Last Name: Arif Age: 23 CGPA: 3.7	Name: Labiba Rahman Age: 21 CGPA: 3.95