

The screenshot shows the PyCharm IDE with a project named 'entri_d41_pyproject'. The file explorer on the left shows a folder '1_Python Fundamentals' containing '1_Python Fundamentals.py'. The editor window displays the following Python code:

```
1 #1. Write Python code that prints your name, student number and email address.
2 name=input("ENTER YOUR NAME:")
3 stu_num=input("ENTER YOUR STUDENT NUMBER:")
4 email=input("ENTER YOUR EMAIL:")
5 print("NAME: ",name)
6 print("STUDENT NUMBER: ",stu_num)
7 print("EMAIL: ",email)
```

The Run console at the bottom shows the execution of the script. The user entered 'swetha' for the name, '1234' for the student number, and 'swe@gmail.com' for the email. The output is:

```
ENTER YOUR NAME:swetha
ENTER YOUR STUDENT NUMBER:1234
ENTER YOUR EMAIL:swe@gmail.com
NAME: swetha
STUDENT NUMBER: 1234
EMAIL: swe@gmail.com

Process finished with exit code 0
```

The status bar at the bottom indicates the file is '1_Python Fundamentals.py' with a 7:22 timestamp, CRLF line endings, UTF-8 encoding, 4 spaces for indentation, and Python 3.11 interpreter.

The screenshot shows the PyCharm IDE with the same project and file. The editor window displays the following Python code:

```
9 #2. Write Python code that prints your name, student number and email address using escape sequences.
10 name=input("ENTER YOUR NAME:")
11 stu_num=input("ENTER YOUR STUDENT NUMBER:")
12 email=input("ENTER YOUR EMAIL:")
13 print("Name: ",name,"\nStudent Number: ",stu_num,"\nEmail: ",email)
```

The Run console at the bottom shows the execution of the script. The user entered the same inputs as in the first screenshot. The output is formatted using escape sequences:

```
ENTER YOUR NAME:swetha
ENTER YOUR STUDENT NUMBER:1234
ENTER YOUR EMAIL:swe@gmail.com
Name: swetha
Student Number: 1234
Email: swe@gmail.com

Process finished with exit code 0
```

The status bar at the bottom indicates the file is '1_Python Fundamentals.py' with a 3:14 timestamp, CRLF line endings, UTF-8 encoding, 4 spaces for indentation, and Python 3.11 interpreter.

The screenshot shows the PyCharm IDE with a project named 'entri_d41_pyproject'. The file '1_Python Fundamentals.py' is open and contains the following Python code:

```
15 #. Write Python code that add, subtract, multiply and divide the two numbers. You can use the two numbers 14 and 7
16 num1=14
17 num2=7
18 print("Addition(14+7): ",num1+num2)
19 print("Product(14*7): ",num1*num2)
20 print("Subtraction(14-7): ",num1-num2)
21 print("Division(14/7): ",num1/num2)
22
```

The 'Run' console shows the output of the code:

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\1_Python Fundamentals.py"
Addition(14+7):  21
Product(14*7):  98
Subtraction(14-7):  7
Division(14/7):  2.0
Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and it uses 4 spaces for indentation.

The screenshot shows the PyCharm IDE with the same project. The file '1_Python Fundamentals.py' is open and contains the following Python code:

```
20 # print("Subtraction(14-7): ",num1-num2)
21 # print("Division(14/7): ",num1/num2)
22
23 #4. Write Python code that displays the numbers from 1 to 5 as steps.
24 print("1","\n2","\n3","\n4","\n5")
```

The 'Run' console shows the output of the code:

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\1_Python Fundamentals.py"
1
2
3
4
5
Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and it uses 4 spaces for indentation.

The screenshot shows the PyCharm IDE interface. The top toolbar includes icons for file operations, running, and debugging. The main editor window displays a file named `1_Python Fundamentals.py` with the following code:

```
25
26 #5. Write Python code that outputs the following sentence (including the quotation marks and line break) to the screen:
27 # SDK" stands for "Software Development Kit", whereas "IDE" stands for "Integrated Development Environment"
28 print("\nSDK\" stands for \"Software Development Kit\", whereas \"IDE\" stands for \"Integrated Development Environment\"")
29
```

Below the editor, the Run tool window shows the execution command and output:

```
Run 1_Python Fundamentals x
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\1_Python Fundame
"SDK" stands for "Software Development Kit", whereas "IDE" stands for "Integrated Development Environment"
Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and the Python version is 3.11.

The screenshot shows the PyCharm IDE interface. The main editor window displays a file named `1_Python Fundamentals.py` with the following code:

```
30 #6. 6 Practice and check the output
31 print("python is an \"awesome\" language.")
32 print("python\n\t2023")
33 print('I\'m from Entri.\b')
34 print("\x65")
35 print("\x65")
36 print("Entri", "2023", sep="\n")
37 print("Entri", "2023", sep="\b")
38 print("Entri", "2023", sep="*", end="\b\b\b\b")
```

Below the editor, the Run tool window shows the execution command and output:

```
Run 1_Python Fundamentals x
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\1_Python Fundame
python is an "awesome" language.
python
  2023
I'm from Entri
5
e
Entri
2023
Entr2023
Entri*
Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and the Python version is 3.11.

The screenshot shows the PyCharm IDE with a project named 'entri_d41_pyproject'. The file '1_Python Fundamentals.py' is open, containing the following Python code:

```
40 #7. Define the variables below. Print the types of each variable. What is the sum of your variables?
41 # (Hint: use a type conversion function.) What datatype is the sum?
42 num = 23
43 textnum = "57"
44 decimal = 98.3
45 print(type(num),type(textnum),type(decimal))
46 textnum2=int(textnum)
47 sum=num+textnum2+decimal
48 print("23+57+98.3 = ",sum)
49
```

The Run console shows the output of the code:

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\1_Python Fundamentals.py"
<class 'int'> <class 'str'> <class 'float'>
23+57+98.3 = 178.3

Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and it uses 4 spaces for indentation.

The screenshot shows the PyCharm IDE with the same project. The file '1_Python Fundamentals.py' is open, containing the following Python code:

```
50 #8. calculate the number of minutes in a year using variables for each unit of time.
51 # print a statement that describes what your code does also.
52 nod=365
53 hours=24
54 minutes=60
55 min_in_year=nod*hours*minutes
56 print("Number of minutes in an an year: ",min_in_year)
57 print("This code takes three variables to store \"no of days in an year\", \"minute in a hour\", \"hours in a day\", \"
58 \"\nthen calculates the total minutes in an year by multiplying these 3 variables\"")
```

The Run console shows the output of the code:

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\1_Python Fundamentals.py"
Number of minutes in an an year: 525600
This code takes three variables to store "no of days in an year", "minute in a hour", "hours in a day",
then calculates the total minutes in an year by multiplying these 3 variables

Process finished with exit code 0
```

The status bar at the bottom indicates the file encoding is UTF-8, line endings are CRLF, and it uses 4 spaces for indentation.

```
55 # min_in_year=nod*hours*minutes
56 # print("Number of minutes in an an year: ",min_in_year)
57 # print("This code takes three variables to store \"no of days in an year\", \"minute in a hour\", \"hours in a day\", \"
58 # \"\nthen calculates the total minutes in an year by multiplying these 3 variables\")
59
60 #9. Write Python code that asks the user to enter his/her name and then output/prints his/her name with a greeting.
61 name=input("Please enter your name: ")
62 print("Hi {}, welcome to Python programming :)".format(name))
```

Run 1_Python Fundamentals x

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe "C:\Users\91759\PycharmProjects\entri_d41_pyproject\1_Python Fundame
Please enter your name: swetha
Hi swetha, welcome to Python programming :)
```

Process finished with exit code 0

entri_d41_pyproject > 1_Python Fundamentals.py 60:117 CRLF UTF-8 4 spaces Python 3.11 (entri_d41_pyproject)

```
1 # Write a program that asks the user to enter an amount in pounds (£) and the program calculates and converts an amount in dollar ($)
2 pounds=int(input("Enter an amount in pounds (£): "))
3 dollar=1.36 * pounds
4 print("Amount in Dollars($): ",round(dollar,2))
```

Run PoundsToDollars x

```
C:\Users\91759\PycharmProjects\entri_d41_pyproject\.venv\Scripts\python.exe C:\Users\91759\PycharmProjects\entri_d41_pyproject\Assignments\Pounc
Enter an amount in pounds (£): 30
Amount in Dollars($): 40.8
```

Process finished with exit code 0

entri_d41_pyproject > Assignments > PoundsToDollars.py 4:47 CRLF UTF-8 4 spaces Python 3.11 (entri_d41_pyproject)