All the participants are requested to practice the following by themselves and if you need then only use the solution code.

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| Session  No. | Exercise Description | Solution Code |
| 1. | To find a name for your Pat:  Input your name and name of your society/apartment/area  Take first two characters of your name, first character of your area name and last character of your name again.  Print the result | Project\_1\_name\_of\_pat.py |
| 1. | To calculate BMI – Body Mass Index: | Project\_2\_BMI\_Calculation.py |
| 1. | To calculate weeks of the life:  If your life is assumed to be 90 years. Find out number of years, months, weeks and days left. Print all in a single line using f-string.(take 1year=12 months=52 weeks=365 days) | Project\_3\_weeks\_of\_life.py |
| 2. | To calculate leap year:  A leap year is a year which is divisible by 4 but if it is divisible by 100, it must be divisible by 400. | Project\_4\_leap\_year.py |
| 2. | To calculate pizza order bill:  Charge $12 for Large, $7 for Medium and $5 for Small  Charge $3 for topping of pepperoni for Large and Medium &  $2 for small pizza.  Charge $1 for extra cheese | Project\_5\_pizza\_order\_bill.py |
| 2. | Amount to be charged for ridding the rollercoaster:  If the height is less than 120 cm–He cannot ride the rollercoaster  For child (<12 years) the ticket is $ 2, for young (12-18) it is $4  for adult (18-60) it is $ 7 and for senior citizen it is free.  If anyone want a photo charge $3 extra. | Project\_6\_rollercoaster\_ticket.py |
| 3. | Treasure Island: To find the treasure by selecting correct option | Project\_7\_Treasure\_Island.py |
| 4. | Who will pay the bill?: Input the list of friends separated by , (or any other character) going for lunch, convert them into a list using split(). Use random module and print who is going to pay the bill for this lunch. | Project\_8\_who\_pay\_bill.py |
| 5. | Game: rock, paper and scissors: Ask user to select any of the three options. Select computer option randomly and print whether user wins or lose. | Project\_9.py |
| 5. | Password Generator: Ask user for number of characters, number of symbols and number of digits he wanted to include in his password. Select randomly that many characters from different lists and reshuffle them for final output. | Project\_10.py |