

Q1: Here's a Python program to sort the given list of tuples based on the integer value using a lambda function:

```
data = [('Sachin Tendulkar', 34357), ('Ricky Ponting', 27483), ('Jack Kallis', 25534), ('Virat Kohli', 24936)]
sorted_data = sorted(data, key=lambda x: x[1])
print(sorted_data)
```

Q2: Here's a Python program to find the squares of all the numbers in the given list of integers using lambda and map functions:

```
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
squares = list(map(lambda x: x**2, numbers))
print(squares)
```

Q3: Here's a Python program to convert the given list of integers into a tuple of strings using map and lambda functions:

```
integers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
strings_tuple = tuple(map(lambda x: str(x), integers))
print(strings_tuple)
```

Q4: Here's a Python program using the reduce function to compute the product of a list containing numbers from 1 to 25:

```
from functools import reduce

numbers = range(1, 26)
product = reduce(lambda x, y: x * y, numbers)
print(product)
```

Q5: Here's a Python program to filter the numbers in a given list that are divisible by 2 and 3 using the filter function:

```
numbers = [2, 3, 6, 9, 27, 60, 90, 120, 55, 46]
divisible_by_2_and_3 = list(filter(lambda x: x % 2 == 0 and x % 3 == 0, numbers))
print(divisible_by_2_and_3)
```

Q6: Here's a Python program to find palindromes in the given list of strings using lambda and filter function:

```
strings = ['python', 'php', 'aba', 'radar', 'level']  
palindromes = list(filter(lambda x: x == x[::-1], strings))  
print(palindromes)
```