We would like to write a program that assists people in their calculations. When the program executes, the user is presented with a menu that contains three items:

- Arithmetic
- Geometry
- Quit.

If the user chooses Arithmetic, a new menu is presented to him that contains the following items:

- calculating the Sum of a sequence of positive numbers entered by him,
- calculating the Product of a sequence of positive numbers entered by him,
- calculating the Largest Value in a sequence of positive numbers entered by him,
- calculating the Smallest Value,
- returning the previous menu.

If the user chooses Geometry, a new menu is presented to him that contains the following items:

- Circle,
- Square,
- returning the previous menu.

If the user chooses Circle, the user is invited to enter the radius of a circle. Then he is presented with a menu containing the following items:
• Change the radius,
• calculate the perimeter,
• calculate the area,
• return to the previous menu.

If the user chooses Square, the user is invited to enter the length of a square side. Then he is presented with a menu containing the following items:

• Change the length of the side,
• calculate the perimeter,
• calculate the area,
• return to the previous menu.