1. Neural Architecture Search (NAS) was a promising technique that failed to surpass hand-designed architectures in terms of test set accuracy.

1 / 1 point

○ True

● False

✓ **Correct**
Spot on! In fact, NAS can design a novel network architecture that rivals the best human-invented architecture.

2. Which of the following characteristics best describe hyperparameters? (Select all that apply)

☑ Hyperparameters are not optimized in each training step.

✓ **Correct**
You're right on track! Hyperparameters are not automatically optimized during the training process.

☑ Hyperparameters are set before launching the learning process.

✓ **Correct**
Excellent! They need to be set before model training begins.

☑ Hyperparameters can be quite numerous even in small models.

✓ **Correct**
Great job! Hyperparameters can be numerous, so, performing manual hyperparameter tuning can be a real brain teaser.

☐ Hyperparameters are derived via training.

3. Does KerasTuner support multiple strategies?

1 / 1 point

- ◉ Yes
- ○ No

✓ **Correct**
Exactly! KerasTuner comes with Bayesian Optimization, Hyperband, and Random Search algorithms built-in.