

# 20XC87 MOBILE SECURITY LAB

## CTF CHALLENGE QUESTIONS AND HINTS

### CRICKETCTF

21PC17 - JYOTHISH K S  
21PC19 - NANDA PRANESH S  
21PC25 - VARUN S

Find the apk file and key file in this github repo: <https://github.com/vxrun-11/cricketCTF>

#### Challenge 1: Steal the Captain's Secret

- Can you steal the captain's hidden code? Check out the challenge for the hint.

#### Challenge 2: Scoreboard XSS

- Try and exploit the scoreboard and script your way in using the hints.

#### Challenge 3: Bowled Out Credentials

- Crack the bowler's credentials stored insecurely.

#### Challenge 4: Wicketkeeper's SQL Slip

- Can you use SQL injection to catch the wicketkeeper's flag?

#### Challenge 5: Run-out Weak Cipher

- If you can, decrypt the runner's weak cipher message using the hints.

#### Challenge 6: Umpire's Secret Stash

- Can you uncover the umpire's hidden stash in preferences?

#### Challenge 7: Caught in the Deep

- Try to snag the flag via a deep link catch, hints in the challenge.

#### Challenge 8: Third Man Backdoor

- Sneak through a broadcast backdoor and try to find the flag.

#### Challenge 9: Overstepped Hash

- Can you crack the bowler's overstepped hash?

#### **Challenge 10: Frida Boundary Break**

- Can you break the boundary with Frida to steal the flag?

#### **Challenge 11: Logcat Leak**

- Find a flag leaking in the logs

#### **Challenge 12: Ghidra Reverse Wicket (Hard)**

- Can you reverse engineer the wicket with Ghidra? Check out the challenge for more hints.