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PSNA COLLAGE OF ENGINEERING AND TECHNOLOGY

BE- ECE (2nd year)

***"This project is a Basic chatbot developed in Python as part of the CodeAlpha platform tasks."***

PROGRAM

```
import random
```

```
responses = {
```

```
    "hello": [
```

```
        "Hi there! ",
```

```
        "Hello, friend! ",
```

```
        "Hey! How's your day going? "
```

```
    ],
```

```
    "how are you": [
```

```
        "I'm doing great, thanks for asking! ",
```

```
        "Feeling fantastic today! ",
```

```
        "All systems are running smoothly! "
```

```
    ],
```

```
    "bye": [
```

```
        "Goodbye! ",
```

```
        "See you later! ",
```

```
        "Bye-bye, take care! "
```

```
    ],
```

```
    "default": [
```

```
        "Hmm... I didn't quite get that ",
```

```
        "Interesting! Tell me more! ",
```

```
        "Oh! That's new to me. Can you explain? "
```

```
    ]
```

```
}def chatbot():
```

```
    print(" ChatBot: Hey there! I'm your friendly chat buddy. Type 'bye' to exit.\n")
```

```
while True:

    user_input = input("You: ").strip().lower()

    if user_input in ("hello", "hi", "hey"):

        print(" ChatBot:", random.choice(responses["hello"]))

    elif user_input in ("how are you", "how are you doing"):

        print(" ChatBot:", random.choice(responses["how are you"]))

    elif user_input == "bye":

        print(" ChatBot:", random.choice(responses["bye"]))

        break

    else:

        print(" ChatBot:", random.choice(responses["default"]))

chatbot()
```

#### OUTPUT 1

ChatBot: Hey there! I'm your friendly chat buddy. Type 'bye' to exit.

You: hello

ChatBot: Hi there!

You: how are you

ChatBot: I'm doing great, thanks for asking!

You: wow nice

ChatBot: Hmm... I didn't quite get that

You: ok

ChatBot: Interesting! Tell me more!

You: bye

ChatBot: S

See you later!

#### OUTPUT 2

ChatBot: Hey there! I'm your friendly chat buddy. Type 'bye' to exit.

You: hey

ChatBot: Hello, friend!

You: how are you doing

ChatBot: Feeling fantastic today!

You: good

ChatBot: Oh! That's new to me. Can you explain?

You: nope

ChatBot: Hmm... I didn't quite get that

You: bye

ChatBot: Goodbye!