Python Practical Exam - Questions and Your Answers

Q1. Write a Python program that asks the user to enter an integer. If the number is even, print "Even number"; otherwise, print "Odd number".

Your Answer:

```
number = int(input("Enter an integer: ")) if number % 2 == 0: print("Even number")
else: print("Odd number")
```

Q2. Write a program that reads a person's age and prints: - "Child" if the age is less than 13 - "Teenager" if the age is between 13 and 19 (inclusive) - "Adult" if the age is 20 or above

Your Answer:

```
age = int(input("Enter your age: ")) if age < 13: print("Child") elif age >= 13 and
age <= 19: print("Teenager") elif age >= 20: print("Adult")
```

Q3. Write a Python program that asks the user to enter a number. If the number is positive, print "Positive". If it's negative, print "Negative". If it's zero, print "Zero".

Your Answer:

```
number = int(input("Enter a number: ")) if number > 0: print("Positive") elif number
< 0: print("Negative") elif number == 0: print("Zero")
```

Q4. Ask the user to enter a letter grade (A, B, C, D, F). Use a match statement to print: - "Excellent" for A - "Good" for B - "Average" for C - "Poor" for D - "Fail" for F - "Invalid grade" for any other input

Your Answer:

```
grade = str(input("Please Enter your grade: ")) match grade: case "A":
print("Excellent") case "B": print("Good") case "C": print("Average") case "D":
print("Poor") case "F": print("Fail") case _: print("Invalid grade")
```

Q5. Ask the user to enter a number from 1 to 7. Use a match statement to print the name of the corresponding day of the week (1 = Monday, ..., 7 = Sunday). Print "Invalid day" if the number is not between 1 and 7.

Your Answer:

```
number = int(input("Enter a number from 1 to 7: ")) match number: case 1:
print("Monday") case 2: print("Tuesday") case 3: print("Wednesday") case 4:
print("Thursday") case 5: print("Friday") case 6: print("Saturday") case 7:
print("Sunday") case _: print("Invalid day")
```

Q6. Ask the user to enter a country name. Use a match statement to print the corresponding continent: - "Somalia" → "Africa" - "China" → "Asia" - "Germany" → "Europe" - "Brazil" → "South America" - Any other input → "Continent unknown"

Your Answer:

```
country = str(input("Enter your country: ")) match country: case "Somalia":
print("Africa") case "China": print("Asia") case "Germany": print("Europe") case
"Brazil": print("South America") case _: print("Continent unknown")
```

Q7. Write a Python program that keeps asking the user to enter a number until they type 0. When 0 is entered, print "Finished" and exit the loop.

Your Answer:

```
while True: number = int(input("Enter a number: ")) if number == 0:
print("Finished") break
```

Q8. Write a program that prints all even numbers from 2 to 20 using a while loop.

Your Answer:

```
i = 0 while i <= 20: i += 1 if i % 2 == 0: print(i)
```

Q9. Create a simple password checker using a while loop. Keep asking the user to enter the correct password ("admin123"). If the entered password is wrong, print "Wrong password, try again." When the correct password is entered, print "Access granted" and stop the loop.

Your Answer:

```
while True: password = str(input("Enter your correct password: ")) if password !=
"admin123": print("Wrong password, try again") elif password == "admin123":
print("Access granted") break
```