Portfolio Test 02:

You are creating a simple program to evaluate job applicants based on their qualifications. Your program should follow the guidelines below:

1. Input:

- Prompt the user to enter their age as an integer.

- Prompt the user to enter their education level as a string (`"High School"`, `"Bachelor's"`, `"Master's"`, or `"PhD"`).

- Prompt the user to enter their years of experience as an integer.

2. Conditions:

- If the applicant is aged 25 to 35 (inclusive) and has a Master's or PhD, they are considered a strong candidate. Print a message indicating their strong candidacy.

- If the applicant has a Bachelor's degree, they should have at least 3 years of experience to be considered. Print a message based on their eligibility.

- If the applicant is under 25 and has a PhD, print a message indicating their exceptional qualifications.

- If the applicant is 36 or older and has a Bachelor's degree, print a message acknowledging their experience but suggesting additional qualifications may be beneficial.

- For all other cases, print a generic message indicating that the applicant does not meet specific criteria.

3. Input Validation:

- Ensure that the age entered by the user is a positive integer.

- Ensure that the education level entered is one of the specified options.

- Ensure that the years of experience entered is a non-negative integer.

Example:

```

Enter your age: 28

Enter your education level (High School/Bachelor's/Master's/PhD): PhD

Enter your years of experience: 6

Congratulations! You are a strong candidate.

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Enter your age: 22

Enter your education level (High School/Bachelor's/Master's/PhD): Bachelor's

Enter your years of experience: 2

Sorry, you do not meet the criteria for this position.

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Enter your age: 38

Enter your education level (High School/Bachelor's/Master's/PhD): Bachelor's

Enter your years of experience: 10

You have significant experience, but additional qualifications may be beneficial.

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Enter your age: -5

Enter your education level (High School/Bachelor's/Master's/PhD): Master's

Enter your years of experience: 3

Invalid age. Please enter a positive integer.

---

Enter your age: 30

Enter your education level (High School/Bachelor's/Master's/PhD): None

Enter your years of experience: 5

Sorry, you do not meet the criteria for this position.

```

Note:

- You are not allowed to use loops or define functions for this question.

- Focus on using `if`, `elif`, and `else` statements along with input validation.

- Ensure your code is concise and follows good coding practices.

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Marking Scheme:

1. Input Handling (5 points):

- Award up to 2 points for correctly prompting the user to enter their age, education level, and years of experience.

- Award up to 3 points for implementing input validation for age, education level, and years of experience.

2. Qualification Conditions (15 points):

- Award up to 5 points for correctly checking strong candidacy conditions.

- Award up to 5 points for correctly checking Bachelor's degree conditions.

- Award up to 3 points for correctly checking exceptional qualifications conditions.

- Award up to 2 points for handling all other cases.

3. Output Messages (7 points):

- Award up to 2 points for providing the correct message for strong candidacy.

- Award up to 2 points for providing the correct message for Bachelor's degree conditions.

- Award up to 2 points for providing the correct message for exceptional qualifications conditions.

- Award up to 1 point for providing the correct generic message.

4. Input Validation Messages (3 points):

- Award up to 2 points for providing the correct message when the age entered is not a positive integer.

- Award up to 1 point for providing the correct message when the education level or years of experience entered are invalid.

5. Code Structure and Readability (5 points):

- Award up to 5 points based on the overall structure of the code, adherence to Python coding conventions, and overall readability.

Total: 35 points