

```

marks=float(input("enter your marks in computer science: "))
if marks >=80 and marks <=100:
    print ("Grade:A")
elif marks >=60 and marks <80:
    print ("Grade:B")
elif marks >=50 and marks <60:
    print ("Grade:C")
elif marks >=45 and marks <50:
    print ("Grade:D")
elif marks >=25 and marks <45:
    print ("Grade:E")
elif marks >=0 and marks <25:
    print ("Grade:F")
else:
    print ("invalid input: ")

```

enter your marks in computer science: -2
invalid input:

```

year= int(input("please enter the year = "))
if(year % 4 == 0 and year % 100!=0)or (year % 400 ==0):
    print(year,"is a leap year")
else :
    print(year,"is not a leap year")

```

please enter the year = 2024
2024 is a leap year

```

for i in range(0,200) :
    if i % 5 == 2 and i % 6 == 3 and i % 7 == 2 :
        print("there are", i , "candies in the bowl")

```

there are 177 candies in the bowl

from random import randint

```

num_questions = int(input("How many questions do you want to answer:
"))
questions = [(randint(1,10), randint(1,10)) for _ in
range(num_questions)]
results = []
for index, question in enumerate(questions):
    user_answer = int(input(f"Question {index + 1} - What is
{question[0]} x {question[1]}: "))
    real_answer = question[0] * question[1]
    if user_answer == real_answer:
        print("Correct")
        results.append(True)
    else:
        print(f"Incorrect, the answer is {real_answer}")
        results.append(False)

```

```
total = len(results)
correct = len([result for result in results if result])
incorrect = len([result for result in results if not result])
percentage = correct / total * 100
print('###Results Summary###')
print(f'Correct answers: {correct}')
print(f'Incorrect answers: {incorrect}')
```

How many questions do you want to answer: 20

Question 1 - What is 5 x 5: 25

Correct

Question 2 - What is 6 x 4: 24

Correct

Question 3 - What is 6 x 5: 30

Correct

Question 4 - What is 1 x 9: 9

Correct

Question 5 - What is 8 x 1: 8

Correct

Question 6 - What is 10 x 5: 50

Correct

Question 7 - What is 3 x 10: 30

Correct

Question 8 - What is 1 x 9: 9

Correct

Question 9 - What is 9 x 10: 90

Correct

Question 10 - What is 1 x 5: 5

Correct

Question 11 - What is 8 x 3: 24

Correct

Question 12 - What is 7 x 1: 7

Correct

Question 13 - What is 8 x 7: 56

Correct

Question 14 - What is 2 x 9: 18

Correct

Question 15 - What is 7 x 3: 21

Correct

Question 16 - What is 1 x 1: 1

Correct

Question 17 - What is 5 x 8: 40

Correct

Question 18 - What is 9 x 7: 63

Correct

Question 19 - What is 8 x 2: 16

Correct

Question 20 - What is 7 x 1: 7

Correct

###Results Summary###
Correct answers: 20
Incorrect answers: 0