

13.09.24

HOME TASK

Question 1

```
import random
def rolling_dice():
    return random.randint(1,6)

def main():
    while True:
        user=input("Enter your word : ")
        if user=="pick":
            choice=rolling_dice()
            print(f"You rolled a number {choice}.")
        elif user=="exit":
            print("Thanks for rolling.")
            break
        else:
            print("Invalid input")
    main()
```

Question 2

```
import random
restaurant=["Thalapakkati","Sangeetha","Anjappar","Vasanth Bhavan","KFC","Valli"]

def restaurants():
    return random.choice(restaurant)

def main():
    while True:
        user=input("Enter your word : ")
        if user=="pick":
            result=restaurants()
            print(f"You should go to {result}.")
        elif user=="exit":
            print("Bye")
            break
        else:
            print("Invalid input")
    main()
```

Question 3

```
def validate(username):
    if username[0].isalpha()==False:
        return False,"Must start with a letter"
    if username.isalnum()==False and "_"not in username:
        return False,"Must contain only letters,numbers or underscore"
    if 5>len(username) or len(username)>15:
        return False,"Must be between 5 and 15"
    return True,"Username is valid"
def check():
    username=input("Enter the name : ")
    valid=validate(username)
    print(valid)
check()
```