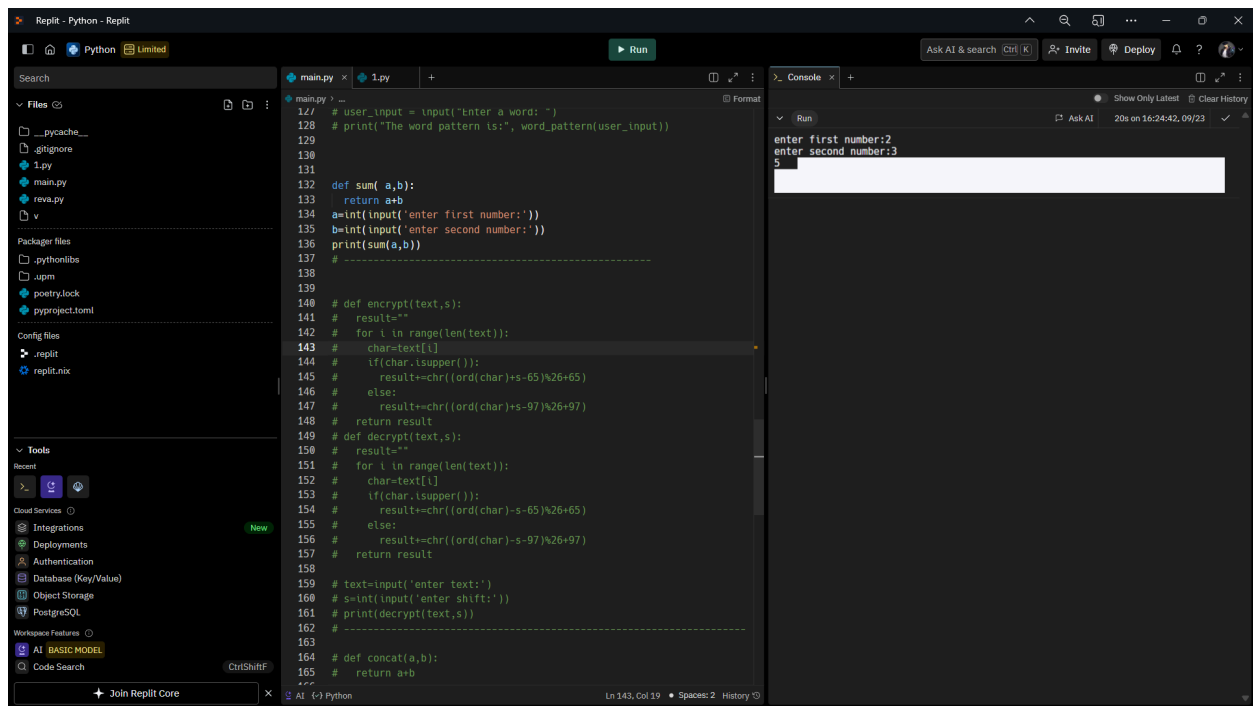


Python assignment 6:

Name:revanth

Mis:112315133

```
1.def sum( a,b):  
    return a+b  
a=int(input('enter first number:'))  
b=int(input('enter second number:'))  
print(sum(a,b))
```



The screenshot shows a Replit Python environment. The code editor displays a Python script with the following content:

```
121 # user input = input('enter a word: ')
122 # print("The word pattern is:", word_pattern(user_input))
123
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131
132 def sum( a,b):
133     return a+b
134 a=int(input('enter first number:'))
135 b=int(input('enter second number:'))
136 print(sum(a,b))
137
138
139
140 # def encrypt(text,s):
141 #     result=""
142 #     for i in range(len(text)):
143 #         char=text[i]
144 #         if(char.isupper()):
145 #             result+=chr((ord(char)+s-65)%26+65)
146 #         else:
147 #             result+=chr((ord(char)+s-97)%26+97)
148 #     return result
149 # def decrypt(text,s):
150 #     result=""
151 #     for i in range(len(text)):
152 #         char=text[i]
153 #         if(char.isupper()):
154 #             result+=chr((ord(char)-s-65)%26+65)
155 #         else:
156 #             result+=chr((ord(char)-s-97)%26+97)
157 #     return result
158
159 # text=input('enter text:')
160 # s=int(input('enter shift:'))
161 # print(decrypt(text,s))
162
163
164 # def concat(a,b):
165 #     return a+b
```

The console shows the following output:

```
Run
enter first number:2
enter second number:3
5
```

2.

```
main.py x 1.py +
Search
Files
  __pycache__
  .gitignore
  1.py
  main.py
  reva.py
  v
Packager files
  pythonlib
  upm
  poetry.lock
  pyproject.toml
Config files
  .replit
  .replit.nix
Tools
  Recent
  Cloud Services
  Integrations
  Deployments
  Authentication
  Database (Key/Value)
  Object Storage
  PostgreSQL
Workspace Features
  AI BASIC MODEL
  Code Search
  Join Replit Core
main.py x 1.py +
124 # a=int(input('enter first number:'))
125 # b=int(input('enter second number:'))
126 # print(sum(a,b))
127 # -----
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139
140 def encrypt(text,s):
141     result=""
142     for i in range(len(text)):
143         char=text[i]
144         if(char.isupper()):
145             result+=chr((ord(char)+s-65)%26+65)
146         else:
147             result+=chr((ord(char)+s-97)%26+97)
148     return result
149
150 def decrypt(text,s):
151     result=""
152     for i in range(len(text)):
153         char=text[i]
154         if(char.isupper()):
155             result+=chr((ord(char)-s-65)%26+65)
156         else:
157             result+=chr((ord(char)-s-97)%26+97)
158     return result
159
160 text=input('enter text:')
161 s=int(input('enter shift:'))
162 print(decrypt(text,s))
163 # -----
164
165 # def concat(a,b):
166 #     return a+b
167
168 # a=input('enter a string:')
169 # b=input('enter a string:')
170 # print(concat(a,b))
171 # -----
172 # d=dict()
173 # for i in range(1,21):
174 #     d[i]=i**2
175 #     print(d)
176 # -----
177 # list=[]
178 # for i in range(1,21):
179 #     list.append(i**2)
180 #     print(list)
181 # -----
182 # def fibonacci(n):
183 #     if n==1:
184 #         return n
185 #     else:
186 #         return fibonacci(n-1)+fibonacci(n-2)
187
188 # n=int(input('enter a number:'))
189 # print(fibonacci(n))
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```

5.

```
151 # for i in range(len(text)):
152 #     char=text[i]
153 #     if(char.isupper()):
154 #         result=chr((ord(char)-s-65)%26+65)
155 #     else:
156 #         result=chr((ord(char)-s-97)%26+97)
157 #     return result
158
159 # text=input('enter text:')
160 # s=int(input('enter shift:'))
161 # print(decrypt(text,s))
162 # -----
163
164 # def concat(a,b):
165 #     return a+b
166
167 # a=input('enter a string:')
168 # b=input('enter a string:')
169 # print(concat(a,b))
170 # -----
171 d=dict()
172 for i in range(1,21):
173     d[i]=i**2
174 print(d)
175 # -----
176 # list=[]
177 # for i in range(1,21):
178 #     list.append(i**2)
179 # print(list)
180 # -----
181 # def fibonacci(n):
182 #     if n<=1:
183 #         return n
184 #     else:
185 #         return fibonacci(n-1)+fibonacci(n-2)
186
187 # n=int(input('enter a number:'))
188 # print(fibonacci(n))
189 # -----
```

Run

enter first number:2
enter second number:3
5

Run

enter text:hello
enter shift:3
ebill

Run

enter a string:hello
enter a string:word
hello word

Run

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196, 15: 225, 16: 256, 17: 289, 18: 324, 19: 361, 20: 400}

6.

```
151 # for i in range(len(text)):
152 #     char=text[i]
153 #     if(char.isupper()):
154 #         result=chr((ord(char)-s-65)%26+65)
155 #     else:
156 #         result=chr((ord(char)-s-97)%26+97)
157 #     return result
158
159 # text=input('enter text:')
160 # s=int(input('enter shift:'))
161 # print(decrypt(text,s))
162 # -----
163
164 # def concat(a,b):
165 #     return a+b
166
167 # a=input('enter a string:')
168 # b=input('enter a string:')
169 # print(concat(a,b))
170 # -----
171 d=dict()
172 for i in range(1,21):
173     d[i]=i**2
174 print(d)
175 # -----
176 # list=[]
177 # for i in range(1,21):
178 #     list.append(i**2)
179 # print(list)
180 # -----
181 # def fibonacci(n):
182 #     if n<=1:
183 #         return n
184 #     else:
185 #         return fibonacci(n-1)+fibonacci(n-2)
186
187 # n=int(input('enter a number:'))
188 # print(fibonacci(n))
189 # -----
```

Run

enter first number:2
enter second number:3
5

Run

enter text:hello
enter shift:3
ebill

Run

enter a string:hello
enter a string:word
hello word

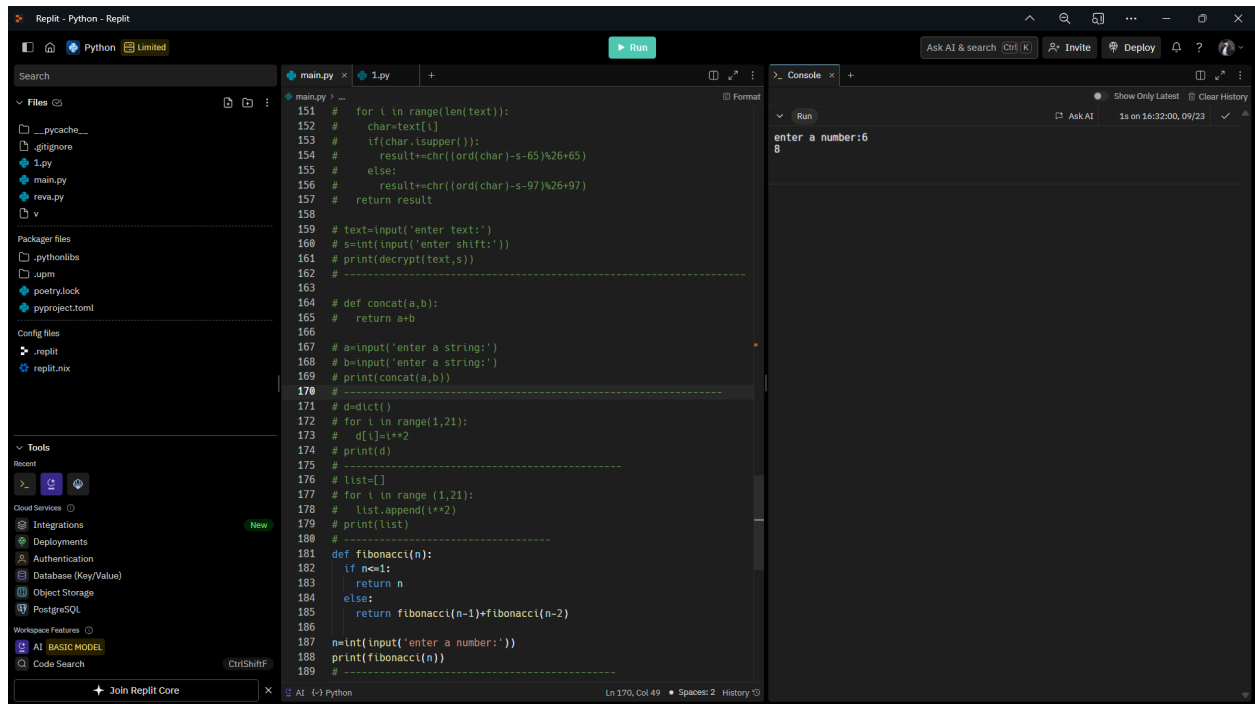
Run

{1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81, 10: 100, 11: 121, 12: 144, 13: 169, 14: 196, 15: 225, 16: 256, 17: 289, 18: 324, 19: 361, 20: 400}

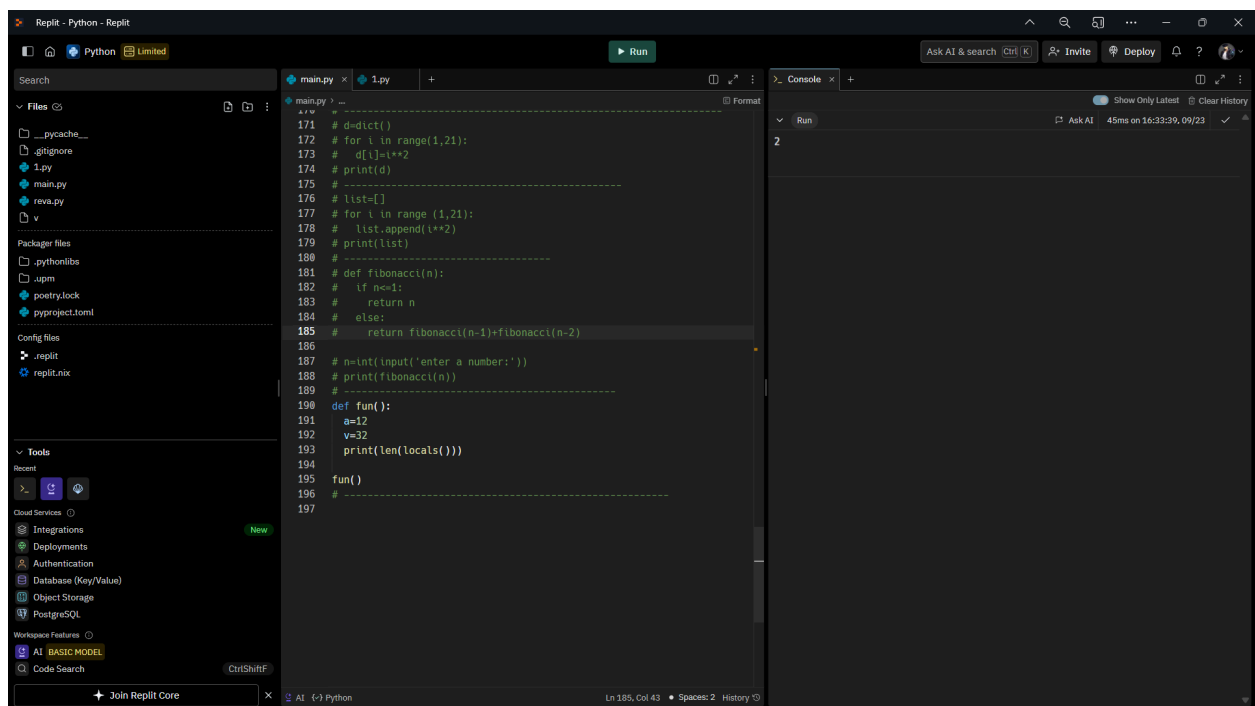
Run

[1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400]

7.



8.



9.

The screenshot shows the Replit Python IDE interface. The left sidebar contains a file explorer with files like `__pycache__`, `.gitignore`, `1.py`, `main.py`, `reva.py`, and `v`. Below this are sections for 'Packager files', 'Config files', and 'Tools'. The main editor area displays the code in `main.py`, which includes a dictionary, a list, a Fibonacci function, and a `fun()` function. The right sidebar shows the 'Console' with the output of the program, displaying the numbers 13 and 15. The status bar at the bottom indicates the current line and column (Ln 203, Col 13) and the number of spaces (2).

```
171 # d=dict()
172 # for i in range(1,21):
173 #     d[i]=i**2
174 # print(d)
175 # -----
176 # list=[]
177 # for i in range(1,21):
178 #     list.append(i**2)
179 # print(list)
180 # -----
181 # def fibonacci(n):
182 #     if n<=1:
183 #         return n
184 #     else:
185 #         return fibonacci(n-1)+fibonacci(n-2)
186
187 # n=int(input('enter a number:'))
188 # print(fibonacci(n))
189 # -----
190 # def fun():
191 #     a=12
192 #     v=32
193 #     print(len(locals()))
194
195 # fun()
196 # -----
197 a=12
198 def fun():
199     l=a+1
200     return l
201 print(fun())
202 a=14
203 print(fun())
```