**Exercice 1:**

Question 1:

exp: [A-Z]+([A-Za-z])\*

exemple: Toto

contre-exemple: toto

Question 2:

exp: \+33[1-9][0-9]{8}

exemple: +33123456789

contre-exemple: +33023456789

Question 3:

exp: (1|[3-8])[0-9]|9[0-5]|((0|2)[1-9])|97[1-6]|2A|2B

ou

([02][1-9]|[13-8][0-9]|9[0-5]|2[AB]|97[1-6])

exemple: 2A, 50

contre-exemple: 20, 2C

Question 4:

exp: [a-zA-Z](\_?[a-zA-Z0-9]+)\*

exemple: Aasas\_dd

contre exemple: Aaa\_\_\_ ou \_A

Question 5:

exp: (0(\_?([0-7]+))\*)|([1-9](\_?([0-9]+))\*)|(0x(\_?([0-9a-fA-F]+))+)

exemple: 0x0\_11\_11111\_10\_aE, 077, 123456789

contre exemple: 0x0\_11\_11111\_10\_aE\_\_, \_077, 12\_\_345\_6789

Question 6:

exp: ( )\*[a-zA-Z](\_?[a-zA-Z0-9]+)\*(( )\*,( )\*[a-zA-Z](\_?[a-zA-Z0-9]+)\*)\*( )\*

exemple: a,toto,aoosjj00

contre exemple: a,toto,aoosjj00,

Question 7:

exp:

()\*[a-zA-Z](\_?[a-zA-Z0-9]+)\*(=((0(\_?([0-7]+))\*)|([1-9](\_?([0-9]+))\*)|(0x(\_?([0-9a-fA-F]+))+)))?(( )\*,( )\*[a-zA-Z](\_?[a-zA-Z0-9]+)\*(=((0(\_?([0-7]+))\*)|([1-9](\_?([0-9]+))\*)|(0x(\_?([0-9a-fA-F]+))+)))?)\*( )\*

exemple: x=3, y=5

contre exemple: a,&

Question 8:

exp: "[^"]\*"

exemple: "azdasasa"

contre-exemple: “

Question 9:

exp: ("[^"]\*")\*

exemple: “abhah””hbdde”” ,”

contre-exemple: “ee””

Question 10:

exp: ("(([^"\\]\*)(\\"|\\\\)\*)\*")\*

exemple: “ahbahbhbhbh \\ hdeuhdud \” “”, ”

contre-exemple: “\”

Question 11:

exp : ([a-zA-Z]|:|\_)+([a-zA-Z0-9]|:|\_|-|\.)\*

exemple: toto.xml, \_toto.xml, :toto.xml

contre exemple: 01.xml

Question 12:

exp: &(([a-zA-Z]|-|\_)\*);

ou

exp : &(([a-zA-Z]|:|\_)+([a-zA-Z0-9]|:|\_|-|\.)\*);

exemple: &tata;

contre-exemple &

Question 13:

exp : "([^"<&]|(&(([a-zA-Z]|:|\_)+([a-zA-Z0-9]|:|\_|-|\.)\*);))\*"

exemple "toto01&tata;a111&toto;"

contre-exemple: "toto01&a111&toto;"

Question 14:

exp: <(([a-zA-Z]|:|\_)+([a-zA-Z0-9]|:|\_|-|\.)\*)+((( )+([a-zA-Z]|:|\_)+([a-zA-Z0-9]|:|\_|-|\.)\*( )\*=( )\*("([^"<&]|(&(([a-zA-Z]|:|\_)+([a-zA-Z0-9]|:|\_|-|\.)\*);))\*"))?)\*( )\*>

exemple: <button toto="toto" tata="tata" titi="titi" >

contre-exemple: <button < type="button" name="changer">>

FIN :)